

**Programme Project Report (PPR)  
of  
Bachelor of Arts (BA)**



**International Centre for Distance Education and  
Open Learning  
Himachal Pradesh University, Summer Hill,  
Shimla-171005**

## PROGRAMME PROJECT REPORT- BACHELOR OF ARTS

### (i) Programme's, Mission & Objectives:

The Himachal Pradesh University was established in the year 1970, and immediately after its establishment, the Himachal Pradesh University took a bold step towards proliferation of knowledge and democratization of educational opportunities by setting up the Directorate of Correspondence Courses in 1971. The University has played a pioneering role in launching the programme of Distance Education at the Undergraduate and Postgraduate level. It was the first to impart instruction at post graduate level in social sciences, humanities, commerce and teacher training through the mode of distance education. Over the years, the Directorate of Correspondence Courses moved towards absorbing the emerging philosophy of distance education and adopting multi-media approach to impart instruction.

Since its inception, the ICDEOL has been striving hard to serve the students who are otherwise deprived of higher education. It has become a lighthouse of learning for persons of all ages and genders, particularly to such persons who, for different reasons, cannot avail the higher course of studies as regular full time students. It aims to promote the holistic development through academic excellence, employability, acquisition of analytical skills and higher research. It intends to promote the discipline of Arts through teaching learning process, research and motivate the students to go for higher studies in Sociology.

### (ii) Relevance of the Programme with HEI's Mission & Goals:

Focusing on the rugged and difficult terrain of the region and the need and aspirations of the youth in the region is one of the missions of the ICDEOL and it tries to encourage student enrolment from among the learners from tribal and distant places in Himachal Pradesh. Regular Mode of Education is not sufficient enough to reach this goal. This bachelor of Arts course helps the learners to upgrade their healthy life style and to attain some sort of employment.

### (iii) Nature of Prospective Target Group of Learners:

It aims for the development of knowledge modules having the right content to take care of the aspirations of academic community and to address to the personalized needs of the learners under low level of disposable income, rural dwellers, women, unskilled men, tribal, minorities etc. Students who do not find an opportunity to go for graduate or post graduate studies in regular mode of education due to the limitation of seats. We will offer them the best of the opportunity by offering the subject at both the level.

### (iv) Appropriateness of programme to be conducted in Open & Distance Learning and/or Online Mode to acquire specific skills and competence:

In undergraduate classes H.P. University has switched over from the RUSA CBCS to UGC CBCS from the academic session 2016-17 with the view to improve quality of education and the employability of the work-force. The Choice based credit system (CBCS) in B.A. will enable the students to keep pace with the developments in higher education across the globe. It will provide for a comprehensive and purposeful engagement between the teacher and the learner through a well-planned instructional package. Students who complete their UG programme and are interested to take up their further study in the field of any of the subjects mentioned in the course through ODL mode, ICDEOL provides a platform to enhance their skills and competence to serve the society in a better way along with their professional up graduation in the field of the concerned subject. Besides their professional/academic developments, this programme also reflects their occupational standard as they get jobs/promotions through this programme.

### (v) Instructional Design:

It is different from the conventional mode of education as it is learner oriented system of education. Learner will be active participants and most of instructions will be through distance rather face to face interactions. The printed material of the programme in the form of self learning material is provided to the students during their enrollment to the course. Virtual classes will be organized during the course period so that students can be benefitted during pandemic. Assignments are also prepared by the students who are enrolled in the course and these assignments are evaluated by the concern teachers and are sent back to the students with due remarks which will be helpful for their further improvement in the concern subject.

(a) Curriculum Design: Programmes Offered

The CHOICE BASED CREDIT SYSTEM (CBCS) is an internationally acknowledged instructional pattern developed to suit the needs of the students and to enable them to keep pace with the developments in higher education across the globe. It provides for a comprehensive and purposeful engagement between the teacher and the taught through a well planned instructional package.

Under the CBCS system a UG student has considerable freedom to choose courses from the following categories given below:

- ABILITY ENHANCEMENT COMPULSORY COURSES (AECC)
- SKILL ENHANCEMENT COURSES (SEC)
- CORE COURSES
- DISCIPLINE SPECIFIC ELECTIVE (DSE)
- GENERIC ELECTIVE (GE)

As per the new CBCS System, a UG degree in Humanities/Social Sciences may be awarded if a student completes 4 core papers each in two disciplines of choice, 2 core papers each in English and Hindi/MIL, respectively, 2 ability Enhancement Compulsory Courses (AECC), minimum 4 Skill Enhancement Courses (SEC), 2 papers each from a list of Discipline Specific Elective papers based on the two disciplines of choice selected above, respectively, and two papers from the list of Generic Elective papers.

<b>B.A .(Pass Course) : Three-Year CBCS Programme</b>			
<b>Basic Structure: Distribution of Courses</b>			
1.	Ability-Enhancement Compulsory Course (AECC)	2 Papers of 4 Credit Hrs. each (Total Credit Hrs. 4X2)	<b>8</b>
2.	Skill-Enhancement Elective Course (SEC)	4 Papers of 4 Credit Hrs. each (Total Credit Hrs. 4X4)	<b>16</b>
3.	Core Course	12 Papers of 6 Credit Hrs. each (Total Credit Hrs. 12X6) (5 Lectures and 1 Tutorial)	<b>72</b>
4.	Discipline Specific Elective (DSE)	4 Papers of 6 Credit Hrs. each (Total Credit Hrs. 3X6) (5 Lectures and 1 Tutorial)	<b>24</b>
5.	Generic Elective (GE)	2 Papers of 6 Credit Hrs. each (Total Credit Hrs. 3X6) (5 Lectures and 1 Tutorial)	<b>12</b>
	<b>Total Credits</b>		<b>132</b>

Note: A student can opt for more number of Elective and AE Elective papers than proposed under the model curriculum of UGC. However, the total credit score earned will not exceed 140 credits for UG Degree.

#### **LIST OF COURSES OFFERED→**

1. **ENGLISH**
2. **PUBLIC ADMINISTRATION**
3. **MATHEMATICS**
4. **ECONOMICS**
5. **HISTORY**
6. **HINDI**
7. **POLITICAL SCIENCE**
8. **SANSKRIT**
9. **MUSIC (VOCATIONAL & INSTRUMENTAL)**
10. **SOCIOLOGY**

**SUBJECT WISE STRUCTURE OF B. A. (FIRST YEAR)**

Course Code	Course Title	Course Type	Credits	End Term Exam	Internal Assessment	Total Marks
<b>ENGLISH</b>						
ENG CE 101	English-1 Core English (Compulsory)	Core Course	06	70	30	100
ENG DSC 102/ ENG HONS GE 101	DSC-1A English Literature-1 (Essays, Stories and Poems)	(Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)	06	70	30	100
ENG DSC 103/ ENG HONS GE 102	DSC-1B English Literature-2 (Poems, Short-Stories and Essays)	(Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)	06	70	30	100
ENG AECC 104	AECC-2 Writing Skills	AECC	04	70	30	100
<b>PUBLIC ADMINISTRATION</b>						
PUBA 101-A	DSC-IA Administrative Theory	Core Course	06	70	30	100
PUBA 102-A	DSC-1B Indian Administration	Core Course	06	70	30	100
<b>MATHEMATICS</b>						
MATH101TH	Differential Calculus	Core Course	06	70	30	100
MATH102TH	Differential Equations	Core Course	06	70	30	100
<b>ECONOMICS</b>						
ECONA101	Principles of Micro Economics-I	Core Course	06	70	30	100
ECONA102	Principles of Micro Economics-II	Core Course	06	70	30	100
<b>HISTORY</b>						
HIST A101	History of India from the earliest times upto 300 CE	Core Course	06	70	30	100
HIST A102	History of India from CE 300 to 1206	Core Course	06	70	30	100
<b>HINDI</b>						
HIND101	प्रयोजनमूलक हिंदी	Core Course B.A/B.COM	06	70	30	100
HIND102	हिंदी साहित्य का इतिहास	Core Course	06	70	30	100
HIND103	मध्यकालीन हिंदी कविता	Core Course	06	70	30	100
Hind104	हिंदी भाषा और सम्प्रेषण	Ability Enhancement Compulsory Course	04	70	30	100
<b>POLITICAL SCIENCE</b>						
POLS 101	Introduction to Political Theory	Core Course	06	70	30	100
POLS102	Indian Government	Core Course	06	70	30	100

	and Politics					
	<b>SANSKRIT</b>					
SKT-DSC-101	संस्कृतकाव्य	Core Course	06	70	30	100
SKT-DSC-102	संस्कृतगद्यकाव्य	Core Course	06	70	30	100
SKT-DSC-103	नीतिसाहित्य	Core Course	06	70	30	100
SKT-AECC-104	उपनिषद्, श्रीमद्भगवद्गीता तथापाणिनीयशिक्षा	Ability Enhancement Compulsory Course	04	70	30	100
	<b>MUSIC</b>					
MUSA101TH MUSA101TH (IA)	Theory of Indian Music (General)	Core Course	3	35	15	50
MUSA102PR MUSA102PR(IA)	Practical (Stage Performance)	Practical	3	35	15	50
MUSA103TH MUSA103TH (IA)	Indian Music General & Biographies	Core Course	3	35	15	50
MUSA104PR MUSA104PR(IA)	Practical (Viva- Voce)	Practical	3	35	15	50
	<b>SOCIOLOGY</b>					
SOCL-A 101	Introduction to Sociology	Core Course	06	70	30	100
SOCL-A 102	Society in India	Core Course	06	70	30	100

#### SUBJECT WISE STRUCTURE OF B. A. (SECOND YEAR)

Course Code	Course Title	Course Type	Credits	End Term Exam	Intern al Asses sment	Total Marks
	<b>ENGLISH</b>					
ENG CE 201	English-2 Core English (Compulsory) for B.A & B.Com.	English-2 Core English (Compulsory) for B.A & B.Com.	06	70	30	100
ENG DSC 202/ ENG HONS GE 203	DSC- 1C British Literature (Play and Novel) (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)	DSC- 1C	06	70	30	100
ENG DSC 203/ ENG HONS GE 204	DSC-1D Literary Cross Currents (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)	DSC-1D	06	70	30	100

ENG AEEC/ SEC 204	AEEC/SEC - 1: Creative Writing, Book and Media  Reviews	AEEC/SEC - 1:	04	70	30	100
ENG AEEC/ SEC 205	AEEC/SEC-2 Translation Studies and Principles of Translation (Basic Concepts and Readings)	AEEC/SEC-2	04	70	30	100
	<b>PUBLIC ADMINISTARTION</b>					
PUBA 201A	Administrative Thinkers	Core Course	06	70	30	100
PUBA 202-A	Development Administration	Core Course	06	70	30	100
PUBA 203-A	Computer Applications & Office Management	Skill Enhancement	04	70	30	100
PUBA 204-A	Human Resource & Logistic Management	Skill Enhancement	04	70	30	100
	<b>MATHEMATICS</b>					
MATH201TH	Real Analysis	Core Course	06	70	30	100
MATH202TH	Algebra	Core Course	06	70	30	100
MATH307TH	Logic And Sets	Sec 1	04	70	30	100
MATH308TH	Analytical Geometry	Sec 1				
MATH309TH	Integral Calculus	Sec 1				
	Sec 2: Choose One Out Of The Following	Skill Enhancement Course	04	70	30	100
MATH310TH	Vector Calculus	Sec 2	04	70	30	100
MATH311TH	Boolean Algebra	Sec 2				
MATH312TH	Number Theory	Sec 2				
	<b>ECONOMICS</b>					
ECONA201	:Principles of Macroeconomics–I	Core Course	06	70	30	100
ECONA202	Principles of Macroeconomics–II	Core Course	06	70	30	100
ECONA 203 AND ECONA 204	SEC– I (any one of the following): SEC 1: Statistical Methods – I SEC 2: Economics of Rural Development	Skill Enhancement	04	70	30	100
ECONA 205 AND ECONA 206	SEC – II (any one of the following): SEC 3: Statistical Methods – II SEC 4: Demography	Skill Enhancement	04	70	30	100
	<b>HISTORY</b>					
HIST(A)203	History of India c.1206-1707	Core Course	06	70	30	100

HIST(A) 204	History of India c.1707-1950	Core Course	06	70	30	100
HIST(A)213	Historical Tourism	Skill Enhancement Course	04	70	30	100
HIST(A)215	An Introduction to Archaeology	Skill Enhancement Course	04	70	30	100
<b>HINDI</b>						
HIND201	अनिर्वाय हिंदी 'रचना पुंज'	Core Course B.A/B.COM	06	70	30	100
HIND202	आधुनिक हिंदी कविता	Core Course	06	70	30	100
HIND203	हिंदी गद्य साहित्य	Core Course	06	70	30	100
Hind204- HIND 205	कार्यालयी हिंदी अथवा हिंदी भाषा शिक्षण	Skill Enhancement Course	04	70	30	100
Hind206- HIND 207	अनुवाद विज्ञान अथवा सम्भाषण कला	Skill Enhancement Course	04	70	30	100
<b>POLITICAL SCIENCE</b>						
POLS201	Comparative Government and Politics	Core Course	06	70	30	100
POLS202	Introduction to International Relations	Core Course	06	70	30	100
POLS 203	Legislative Support	Skill Enhancement Course	04	70	30	100
POLS204	Public Opinion and Survey Research	Skill Enhancement Course	04	70	30	100
<b>SANSKRIT</b>						
SKT -201	संस्कृतनाटक	DSC	06	70	30	100
SKT-202	संस्कृतव्याकरण	DSC	06	70	30	100
SKT-203	व्याकरण एवं संयोजन	DSC	06	70	30	100
SKT-205	आयुर्वेदके मूल सिद्धान्त	AEEC	04	70	30	100
SKT-206	संस्कृत छन्द एवं गायन	AEEC	04	70	30	100
<b>MUSIC</b>						
MUSA201TH MUSA201TH(IA)	Ancient Granthas & contributions of Musicologists		3	35	15	50
MUSA202PR MUSA202PR (IA)	Practical (Stage Performance)		3	35	15	50
MUSA203TH MUSA203TH	Medieval Granthas & Contributions of Mu Of Musicians (IA)		3	35	15	50
MUSA204PR MUSA204PR (IA)	Practical (Viva-Voce)		3	35	15	50
MUSA205PR	SEC-1, SKILL ENHAMCEMENT COURSE- 1HindustaniMusic Presentation & Documentation-1	SEC-1, SKILL ENHAMCEMENT COURSE- 1HindustaniMusic Presentation & Documentation- 1 (Vocal/Inst)	4			

	(Vocal/Inst)					
MUSA206PR	SEC-2, SKILL ENHANCEMENT COURSE-2HindustaniMusic Presentation & Documentation-II (Vocal/Inst)	SEC-2, SKILL ENHANCEMENT COURSE-2HindustaniMusic Presentation & Documentation-II (Vocal/Inst)	4			
<b>SOCIOLOGY</b>						
SOCL-A 201	Sociological Theories	Core Course	06	70	30	100
SOCL-A 202	Methods of Sociological Enquiry	Core Course	06	70	30	100
SOCL-A 203	Techniques of Social Research	Skill Enhancement Course	04	70	30	100
SOCL-A 204	Sociology of Environment	Skill Enhancement Course	04	70	30	100

#### SUBJECT WISE STRUCTURE OF B. A. (THIRD YEAR)

Course Code	Course Title	Course Type	Credits	End Term Exam	Internal Assessment	Total Marks
<b>ENGLISH</b>						
ENG AEEC/ SEC 301	Technical Writing	AEEC/SEC-3	4	70	30	100
ENG AEEC/ SEC 302	Business Communication	AEEC/SEC-4	4	70	30	100
ENG DSE 303	Soft Skills	DSE –1A	6	70	30	100
ENG DSE 304	Academic Writing and Composition	DSE-1B	6	70	30	100
ENG GE 305	Literature from Himachal	GE-1	6	70	30	100
<b>PUBLIC ADMINISTRATION</b>						
PUBA 301-A	Leadership Styles & Conflict Management	Skill Enhancement Course	04	70	30	100
PUBA 302-A	Stress & Time Management	Skill Enhancement Course	04	70	30	100
PUBA 303-A OR PUBA 304-A	Local Governance IA or Contemporary Issues & Concerns in Indian Administration	Discipline Specific Elective	06	70	30	100
PUBA 305-A OR PUBA 306-A	Public Policy and Administration in India Or Financial Administration	Discipline Specific Elective	06	70	30	100
PUBA 307-A	Constitutional and Administrative Aspects	Generic Elective	06	70	30	100



	of Himachal Pradesh					
PUBA 308-A or PUBA -309-A	Disaster Management or Governance	Generic Elective	06	70	30	100
	<b>MATHEMATICS</b>					
	DSE 1A (MATH): CHOOSE ONE CHOOSE ONE OUT OF THE FOLLOWING	DISCIPLINE SPECIFIC ELECTIVE	5+1=6	70	30	100
MATH301TH	MATRICES	DSE 1A				
MATH302TH	MECHANICS	DSE 1A				
MATH303TH	LINEAR ALGEBRA	DSE 1A				
	DSE 1B (MATH): CHOOSE ONE OUT OF THE FOLLOWING	DISCIPLINE SPECIFIC ELECTIVE	5+1=6	70	30	100
MATH304TH	NUMERICAL METHODS	DSE 1B				
MATH305TH	COMPLEX ANALYSIS	DSE 1B				
MATH306TH	LINEAR PROGRAMMING	DSE 1B				
	DSE2A	DISCIPLINE SPECIFIC ELECTIVE	6	70	30	100
	DSE2B	DISCIPLINE SPECIFIC ELECTIVE	6	70	30	100
	SEC 3: CHOOSE ONE OUT OF THE FOLLOWING	SKILL ENHANCEMENT COURSE	4	70	30	100
MATH313TH	PROBABILITY AND STATISTICS	SEC 3				
MATH314TH	MATHEMATICAL FINANCE	SEC 3				
MATH315TH	MATHEMATICAL MODELING	SEC 3				
	SEC 4: CHOOSE ONE OUT OF THE FOLLOWING	SKILL ENHANCEMENT COURSE	4	70	30	100
MATH316TH	THEORY OF EQUATIONS	SEC 4				
MATH317TH	TRANSPORTATION AND GAME THEORY	SEC 4				
MATH318TH	GRAPH THEORY	SEC 4				
	GE 1: CHOOSE ONE OUT OF THE FOLLOWING	GENERIC ELECTIVE	5+1=6	70	30	100
MATH319TH	PORTFOLIO OPTIMIZATION	GE 1				

MATH320TH	QUEUING AND RELIABILITY THEORY	GE 1				
	GE 2: CHOOSE ONE OUT OF THE FOLLOWING	GENERIC ELECTIVE	5+1=6	70	30	100
MATH321TH	DESCRIPTIVE STATISTICS AND PROBABILITY THEORY	GE 2				
MATH322TH	SAMPLE SURVEYS AND DESIGN OF EXPERIMENTS	GE 2				
	<b>ECONOMICS</b>					
ECONA301	DSE – I (any one of the following): DSE 1: Indian Economy DSE 2: Economic History of India 1857 – 1947 DSE 3: Economy of Himachal Pradesh DSE 4: Basic Econometrics	Discipline Specific Elective	06	70	30	100
ECONA302				70	30	100
ECONA303				70	30	100
ECONA304				70	30	100
ECONA305	DSE – II (any one of the following): DSE 5: Development Economics DSE 6: International Economics DSE 7: Mathematical Economics DSE 8: Economic Systems	Discipline Specific Elective	06	70	30	100
ECONA306				70	30	100
ECONA307				70	30	100
ECONA308				70	30	100
ECONA309	SEC – III (any one of the following):  SEC 5: Research Methodology SEC 6: Public Finance	SKILL ENHANCEMENT COURSE	04	70	30	100
ECONA310				70	30	100
ECONA311	SEC – IV (any one of the following): SEC 7: Money and Banking SEC 8: Project Work	SKILL ENHANCEMENT COURSE	04	70	30	100
ECONA312				70	30	100
ECONA 313	GEC 1: Economy of Himachal Pradesh	Generic Elective	06	70	30	100
	GEC – II ( One out of the following)	Generic Elective	06	70	30	100
ECONA314	GEC 2: Indian Economy					
ECONA315	GEC 4: Development Economics					
ECONA316	GEC 5: Environmental Economics					

	<b>HISTORY</b>					
HIST(A)305	Modern and Contemporary World History-1: 1871-1919	Discipline Specific Elective	06	70	30	100
HIST(A)307	Modern and Contemporary World History-1: 1919-1992	Discipline Specific Elective	06	70	30	100
HIST(A)317	Indian History and Culture	Skill Enhancement Course	04	70	30	100
HIST(A)320	Understanding Popular Culture	Skill Enhancement Course	04	70	30	100
HIST(A)309	Women in Indian History	Generic Elective	06	70	30	100
HIST(A)312	History of Himachal Pradesh: 1815-1972	Generic Elective	06	70	30	100
	<b>HINDI</b>					
HIND301	रंग आलेख एवं रंगमंच अथवा भाषा कंप्यूटिंग	Skill Enhancement Course	04	70	30	100
HIND302						
HIND303	चलचित्र लेखन अथवा समाचार संकलन और लेखन	Skill Enhancement Course	04	70	30	100
HIND304						
HIND305	लोक साहित्य	Discipline Specific Elective	06	70	30	100
HIND306	छायावादोत्तर हिंदी कविता	Discipline Specific Elective	06	70	30	100
HIND307	आधुनिक भारतीय साहित्य	Discipline Specific Elective	06	70	30	100
HIND308	सर्जनात्मक लेखन के विविध क्षेत्र	Discipline Specific Elective	06	70	30	100
	<b>POLITICAL SCIENCE</b>					
DSE-1A POLS 301 (A) Option-I Or DSE-1A POLS 301 (B) (option-2)	Themes in Comparative Political Theory	Discipline Specific Elective	06	70	30	100
DSE-1B POLS 302 (A) (option-1) Or DSE-1B POLS 302 (B) Option-2)	Democracy and Governance	Discipline Specific Elective	06	70	30	100
SEC-3 POLS 303	Democratic Awareness Through Legal Literacy	Skill Enhancement Course	04	70	30	100
SEC-4 POLS 304	Conflict and Peace Building	Skill Enhancement Course	04	70	30	100
GE-I POLS 305	Society economy and Politics in Himachal Pradesh	Generic Elective	06	70	30	100
GE-2 POLS 306	Human Rights, Gender and Environment	Discipline Specific Elective	06	70	30	100
	<b>SANSKRIT</b>					
SKT-DSE-301	DSE-1A	व्यक्तित्व विकास का भारतीय दृष्टिकोण	06	70	30	100
SKT-DSE-302	DSE-1B	साहित्यिक	06	70	30	100

		समालोचना				
SKT-GE-303	GE-1	पातञ्जलयोगसूत्र	06	70	30	100
SKT-GE-304	GE-2	भाषा विज्ञान के मूलभूत सिद्धान्त	06	70	30	100
SKT-AEEC-305	AEEC/SEC-3	भारतीयरंगशाला	04	70	30	100
SKT-AEEC-306	AEEC/SEC-4	भारतीयवास्तुशास्त्र	04	70	30	100
<b>MUSIC</b>						
MUSA301PR	HindustaniMusic Presentation & Documentation-III (Vocal/Inst)	SEC-3, SKILL ENHAMCEMENT COURSE-3	4	35	15	50
MUSA302PR	HindustaniMusic Presentation & Documentation-IV(Vocal/Inst)	SEC-4, SKILL ENHAMCEMENT COURSE-4	4	35	15	50
MUSA303TH	Theory of Indian Music and Study of ancient Granths and Ragas Vocal/Inst	DSE-1A (Unit-1) DISCIPLINE SPECIFIC ELECTIVE-1	3	35	15	50
MUSA304PR	Practical, HindustaniMusic (Vocal/Inst)	DSE-1A (Unit-2) DISCIPLINE SPECIFIC ELECTIVE-1	3	35	15	50
MUSA305TH	Theory of Indian Music and Ghrana Tradition Vocal/Inst	DSE-1B (Unit-1) DISCIPLINE SPECIFIC ELECTIVE-1	3	35	15	50
MUSA306PR	Practical ,HindustaniMusic (Vocal/Inst)	DSE-1B (Unit-2) DISCIPLINE SPECIFIC ELECTIVE-1	3	35	15	50
MUSA307TH	Theory of Indian Music(Vocal/Inst)	GE-1, GENERIC ELECTIVE-1	6	35	15	50
MUSA308PR	Practical, HindustaniMusic (Vocal/Inst)	GE-1, GENERIC ELECTIVE-1	6	35	15	50
<b>SOCIOLOGY</b>						
SOCL-A 301	Social Demography	Skill Enhancement Course	04	70	30	100
SOCL-A 302	Theory and Practice of Development	Skill Enhancement Course	04	70	30	100
SOCL-A 304	Marriage, Family and Kinship	Discipline Specific Elective	06	70	30	100
SOCL-A 305	Social Stratification	Discipline Specific Elective	06	70	30	100
SOCL-A 307	Polity and Society in	Generic Elective	06	70	30	100

	India					
SOCL-A 306	Economy and Society	Generic Elective	06	70	30	100

**(b) DETAILED SYLLABII:**

**(1) ENGLISH**

Year	Paper Code	Course Name & Syllabus	Credits
I	ENG CE 101	English-I Core English (Compulsory) for B.A. and B.Com. UNIT-I i. —Ozymandiasl ii. —Blow Blow thou Winter Windl iii. —Good Morrowl iv. —The Man he Killedl v. —Lines Written in Early Springl Poems from The Blossoming Mind. Ed. V. K. Khanna and Meenakshi F. Paul. New Delhi: Macmillan. UNIT-II i. "The Parrot in the Cage" ii. "Dinner for the Boss" iii. "The Reddening Tree" iv. "At the Himalayas" v. "The Value of Silence" Stories and Essays from Life Unfolded. Ed. V. K. Khanna and Meenakshi F. Paul. New Delhi: Oxford University Press.	6
		UNIT-III Applied Grammar: The use of Articles, Prepositions, Verb Forms, Phrasal Verbs and Comprehension (The literary pieces incorporated in the course are to be used as tools to teach language through literature with emphasis on reading, listening, comprehension, summarizing, inference and discussion.) Classroom Activity: Reading, Speaking and Listening Exercises Conversation Etiquettes: Personality Development	
I	ENG DSC 102/ ENG HONS GE 101	DSC-1A English Literature-I (Essays, Stories and Poems) (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects) <u>Detailed Study:</u> UNIT-I i. —Deliverancel by Premchand ii. —Joothanl by Omprakash Valmiki iii. —Kallul by Ismat Chughtai iv. —Bosom Friendl by Hira Bansode UNIT-II i. —Girll by Jamaica Kincaid ii. —A Prayer for my Daughterl by W. B. Yeats iii. —Yellow Fishl by Ambai iv. —Reincarnation of Captain Cookl by Margaret Atwood UNIT-III i. —Blackoutl by Roger Mais ii. —Telephone Conversationl by Wole Soyinka iii. —Harleml by Langston Hughes iv. —Still I Risel by Maya Angelou <u>Non-Detailed Study:</u> UNIT-IV i. —Conscientious Objectorl by Edna St. Vincent Millay ii. —General, Your Tank is a Powerful Vehiclel by Bertolt Brecht	6

		<p>iii. —The Dog of Tetwall by Sa'adat Hasan Manto iv. —A Chronicle of the Peacocks by Intizar Husain</p> <p>UNIT-V</p> <p>i. —Toys by Roland Barthes</p> <p>ii. —Indian Movie, New Jersey by Chitra Banerjee Divakaruni iii. —At the Lahore Karhail by Imtiaz Dharker iv. —The Brand Expands by Naomi Klein</p> <p>Selections from Vinod Sood, et al, eds. The Individual and Society: Essays, Stories and Poems. Delhi: Pearson, 2005.</p>	
I	ENG DSC 103/ ENG HONS GE 102	<p>DSC-1B English Literature-2 (Poems, Short-Stories and Essays) (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)</p> <p><u>Detailed Study:</u></p> <p>UNIT-I Linguistic Plurality within Sufi and Bhakti Traditions:</p> <p>i. Excerpts from "The Mad Lover" by Sisir Kumar Das ii. —Kafi 7 by Bulla Shah iii. —Vachana by Mahadeviyakka iv. —Baul Song (Anonymous)</p> <p>UNIT-II Language Politics: Hindi and Urdu:</p> <p>i. Excerpts from "Introduction: A Conspectus" in A House Divided by Amrit Rai ii. —Ghazal by Amir Khusrau iii. —Lajwantil by Rajinder Singh Bedi iv. —Hindi by Raghuveer Sahai</p> <p>UNIT-III Tribal Verse:</p> <p>i. Excerpts from "Introduction to Painted Words: An Anthology of Tribal Verse by G. N. Devy ii. Songs of Birth and Death —A Munda Song iii. —A Kondh Song iv. —Adi Song for the Recovery of Lost Health</p> <p>UNIT-IV Dalit Voices:</p> <p>i. Excerpts from "Dalit Sahitya: The Historical Background" by Eleanor Zelliot</p>	6

		<p>ii. —Habitl by F.M. Shinde —An Untitled Poeml by N.T. Rajkumar —Excerpts from Karukkul by Bama <u>Non-Detailed Study</u>: UNIT-V Writing in English: "Mother Tongue" by Padma Sachdev —Excerpts from Kanthapurall by Raja Rao</p> <p>UNIT-VI Woman Speak: Examples from Kannada and Bangla: i. Excerpts from —A Flowering Tree: A Woman's Tale'l by A. K. Ramanujan ii. Excerpts from —A Woman's Retelling of the Rama Tale'l by Nabaneeta Deb Sen</p> <p>UNIT-VII Literary Cultures: Gujarati and Sindhi: i. Excerpts from —At the Crossroads of Indic and Iranian Civilizations' l by Ali S. Asani Units I-VII are from Cultural Diversity, Linguistic Plurality and Literary Traditions in India by Sukrita Paul Kumar, et.al. Macmillan India, 2005.</p> <p>UNIT-VIII Nationalism: —Nationalism in Westl —Nationalism in Indial From Nationalism by Rabindranath Tagore. Macmillan, 1995. UNIT-IX Aspects of Civilization: i. —What is True Civilizationl (52-54) ii. —Civilizationl (30-32) From Hind Swaraj by M. K. Gandhi. Navjeevan Publishing House, 2006.</p>	
I	ENG AECC 104	<p>AECC-2 Writing Skills i. Diary Writing ii. Paragraph Writing iii. Summary/Note, making iv. Formal and Informal Letter Writing v. CV/ Resume Writing vi. Report Writing vii. Interview/Feature Article viii. Notice Writing</p>	4

		<p>Classroom Activity: Speaking Skills, Listening Skills, Mock Interview, Speech Making Project Work</p> <p>Suggested Projects: Sports Writing, Poetry about Women/Men, Poetry in Translation, Translating a Poem, Telling a Story, Fantasy Writing, Chat Shows, The Menace of Dowry, A Success Story, Creative Writing, Theatre Groups, Interviewing a Celebrity, Writing a Newspaper Article on a Current Topic, Today's Youth and Youth Icons, Leadership and Politics, Examination System and Benefits of Reform, the Epics, Communalism, Gender Discrimination, Social Activism.</p> <p>Recommended Reading: 1. English Communication Skills: AECC under CBCS, HPU. Meenakshi F. Paul and Madhumita Chakraborty. Macmillan, 2017.</p> <p>Suggested Readings: Fluency in English. Part I. Macmillan, 2005. Fluency in English. Part II. OUP, 2006. Unit 1-15. El Dorado: A Textbook of Communication Skills. Orient Blackswan, 2014. Units 1-5. Interchange. Workbook III. Fourth Edition. Cambridge University Press, 2015. Units 1-8. New Headway. Intermediate Student's Book. 3rd Edition. Oxford University Press, 2012. Units 1-6. Write to be Read: Reading, Reflecting &amp; Writing. First South Asian edition. Cambridge University Press, 2014. Units 1-4. Business English. Pearson, 2008. Units 4-6.</p>	
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Year	Paper Code	Course Name & Syllabus	Credits
I	ENG CE 101	<p>English-I Core English (Compulsory) for B.A. and B.Com.</p> <p>UNIT-I i. —Ozymandiasl ii. —Blow Blow thou Winter Windl iii. —Good Morrowl iv. —The Man he Killedl v. —Lines Written in Early Springl Poems from The Blossoming Mind. Ed. V. K. Khanna and Meenakshi F. Paul. New Delhi: Macmillan.</p> <p>UNIT-II i. "The Parrot in the Cage" ii. "Dinner for the Boss" iii. "The Reddening Tree" iv. "At the Himalayas" v. "The Value of Silence" Stories and Essays from Life Unfolded. Ed. V. K. Khanna and Meenakshi F. Paul. New Delhi: Oxford University Press.</p>	6



		<p>UNIT-III</p> <p>Applied Grammar:</p> <p>The use of Articles, Prepositions, Verb Forms, Phrasal Verbs and Comprehension</p> <p>(The literary pieces incorporated in the course are to be used as tools to teach language through literature with emphasis on reading, listening, comprehension, summarizing, inference and discussion.) Classroom Activity:</p> <p>Reading, Speaking and Listening Exercises</p> <p>Conversation</p> <p>Etiquettes: Personality Development</p>	
I	ENG DSC 102/ ENG HONS GE 101	<p>DSC-1A English Literature-1 (Essays, Stories and Poems)</p> <p>(Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects) <u>Detailed Study:</u></p> <p>UNIT-I</p> <p>i. —Deliverance by Premchand ii. —Joothan by Omprakash Valmiki iii. —Kallul by Ismat Chughtai iv. —Bosom Friend by Hira Bansode</p> <p>UNIT-II</p> <p>i. —Girl by Jamaica Kincaid ii. —A Prayer for my Daughter by W. B. Yeats iii. —Yellow Fish by Ambai</p> <p>iv. —Reincarnation of Captain Cook by Margaret Atwood</p> <p>UNIT-III</p> <p>i. —Blackout by Roger Mais ii. —Telephone Conversation by Wole Soyinka iii. —Harlem by Langston Hughes iv. —Still I Rise by Maya Angelou</p> <p><u>Non-Detailed Study:</u></p> <p>UNIT-IV</p> <p>i. —Conscientious Objector by Edna St. Vincent Millay ii. —General, Your Tank is a Powerful Vehicle by Bertolt Brecht</p>	6
		<p>iii. —The Dog of Tetwall by Sa'adat Hasan Manto iv. —A Chronicle of the Peacocks by Intizar Husain</p> <p>UNIT-V</p> <p>iii. —Toys by Roland Barthes</p> <p>iv. —Indian Movie, New Jersey by Chitra Banerjee Divakaruni iii. —At the Lahore Karhail by Imtiaz Dharker iv. —The Brand Expands by Naomi Klein</p> <p>Selections from Vinod Sood, et al, eds. The Individual and Society: Essays, Stories and Poems. Delhi: Pearson, 2005.</p>	

I	ENG DSC 103/ ENG HONS GE 102	<p>DSC-1B English Literature-2 (Poems, Short-Stories and Essays) (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects)</p> <p><u>Detailed Study:</u></p> <p>UNIT-I Linguistic Plurality within Sufi and Bhakti Traditions: i. Excerpts from "The Mad Lover" by Sisir Kumar Das ii. —Kafi 7I by Bulla Shah iii. —Vachanal by Mahadeviyakka iv. —Baul Songl (Anonymous)</p> <p>UNIT-II Language Politics: Hindi and Urdu: i. Excerpts from "Introduction: A Conspectus" in A House Divided by Amrit Rai ii. —Ghazall by Amir Khusrau iii. —Lajwantil by Rajinder Singh Bedi iv. —Hindil by Raghuvveer Sahai</p> <p>UNIT-III Tribal Verse: i. Excerpts from "Introductionl to Painted Words: An Anthology of Tribal Verse by G. N. Devy ii. Songs of Birth and Death —A Munda Songl —A Kondh Songl iii. —Adi Song for the Recovery of Lost Healthl UNIT-IV Dalit Voices: i. Excerpts from "Dalit Sahitya: The Historical Background" by Eleanor Zelliot</p>	6
		<p>ii. —Habitol by F.M. Shinde —An Untitled Poeml by N.T. Rajkumar —Excerpts from Karukkul by Bama <u>Non-Detailed Study:</u></p> <p>UNIT-V Writing in English: "Mother Tongue" by Padma Sachdev —Excerpts from Kanthapurall by Raja Rao</p> <p>UNIT-VI Woman Speak: Examples from Kannada and Bangla: i. Excerpts from —A Flowering Tree: A Woman's Tale'l by A. K. Ramanujan ii. Excerpts from —A Woman's Retelling of the Rama Tale'l by Nabaneeta Deb Sen</p> <p>UNIT-VII Literary Cultures: Gujarati and Sindhi: i. Excerpts from —At the Crossroads of Indic and Iranian Civilizations' l by Ali S. Asani Units I-VII are from Cultural Diversity, Linguistic Plurality and Literary Traditions in India by Sukrita Paul Kumar, et.al. Macmillan India, 2005.</p> <p>UNIT-VIII Nationalism: —Nationalism in Westl —Nationalism in Indial From Nationalism by Rabindranath Tagore. Macmillan, 1995.</p> <p>UNIT-IX Aspects of Civilization: i. —What is True Civilizationl (52-54) ii. —Civilizationl (30-32) From Hind Swaraj by M. K. Gandhi. Navjeevan Publishing House, 2006.</p>	

I	ENG AECC 104	AECC-2 Writing Skills i. Diary Writing ii. Paragraph Writing iii. Summary/Note making iv. Formal and Informal Letter Writing v. CV/ Resume Writing vi. Report Writing vii. Interview/Feature Article viii. Notice Writing	4
		<p>Classroom Activity: Speaking Skills, Listening Skills, Mock Interview, Speech Making Project Work Suggested Projects: Sports Writing, Poetry about Women/Men, Poetry in Translation, Translating a Poem, Telling a Story, Fantasy Writing, Chat Shows, The Menace of Dowry, A Success Story, Creative Writing, Theatre Groups, Interviewing a Celebrity, Writing a Newspaper Article on a Current Topic, Today's Youth and Youth Icons, Leadership and Politics, Examination System and Benefits of Reform, the Epics, Communalism, Gender Discrimination, Social Activism. Recommended Reading: 1. English Communication Skills: AECC under CBCS, HPU. Meenakshi F. Paul and Madhumita Chakraborty. Macmillan, 2017.</p> <p>Suggested Readings: Fluency in English. Part I. Macmillan, 2005. Fluency in English. Part II. OUP, 2006. Unit 1-15. El Dorado: A Textbook of Communication Skills. Orient Blackswan, 2014. Units 1-5. Interchange. Workbook III. Fourth Edition. Cambridge University Press, 2015. Units 1-8. New Headway. Intermediate Student's Book. 3rd Edition. Oxford University Press, 2012. Units 1-6. Write to be Read: Reading, Reflecting &amp; Writing. First South Asian edition. Cambridge University Press, 2014. Units 1-4. Business English. Pearson, 2008. Units 4-6.</p>	
Year	Paper Code	Course Name & Syllabus	Credits

II	ENG CE 201	<p>English-2 Core English (Compulsory) for B.A &amp; B.Com.</p> <p>UNIT-I Essays</p> <p>i. —The Power of Prayerl by A. P. J. Abdul Kalam ii. —Vivekananda: The Great Journey to the Westl by Romain Rolland</p> <p>iii. —More Than 100 Million Women are Missingl by Amartya Sen iv. —On the Ignorance of the Learnedl (Excerpts by William Hazlitt)</p> <p>v. —Simply Livingl (Excerpts by Ruskin Bond).</p> <p>(Nos. _i' to _v' are from Reflections from the East and the West by Pankaj K. Singh and Girija Sharma. Orient Blackswan)</p> <p>vi. "Towards Creating a Poverty-Free Worldl by Muhammad Yunus (From Gleanings from Home &amp; Abroad. Orient Blackswan)</p> <p>vii. "Climatic Change and Human Strategyl by E.K. Federov. (From Insights: A Course in English Literature and Language by K Elango. Orient Blackswan.)</p> <p>UNIT-II Poetry.</p> <p>i. —A Psalm of Lifel by Henry Wadsworth Longfellow ii. —Animalsl by Walt Whitman</p> <p>iii. —When I am Dead My Dearestl by Christina Rossetti iv. —If l by Rudyard Kipling</p> <p>v. —The Lake Isle of Innisfreel by W.B. Yeats vi. —The Olive Treel by Mark O' Conner vii. —Refugee Mother and Childl by Chinua Achebe (From Ripples on the Sands of Time by Pankaj K. Singh and Girija Sharma. OUP.)</p> <p>UNIT-III: Applied Grammar</p> <p>One Word Substitution (5 Expressions)</p> <p>Words Used as Nouns and Verbs (5 words)</p> <p>(Students will be required to use the given words in sentences both as nouns and verbs)</p>	6
		<p>Transformation (i) Interchange of Degree (5 Sentences in all)</p> <p>Homonyms, Homographs and Homophones (5 words) (Students will be required to use the given words in sentences so as to illustrate their meaning).</p>	
II	ENG DSC 202/ ENG HONS GE 203	<p>DSC- 1C</p> <p>British Literature (Play and Novel)</p> <p>(Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects) <u>Detailed Study:</u></p> <p>Drama - William Shakespeare: The Merchant of Venice</p> <p><u>Non-Detailed Study:</u></p> <p>Novel - Charles Dickens: Oliver Twist</p>	6

II	ENG DSC 203/ ENG HONS GE 204	<p>DSC-1D Literary Cross Currents (Core Course for students who choose English as Discipline and Generic Elective (Interdisciplinary) for Honours Students of other subjects) <u>Detailed Study:</u> 1. UNIT-I Poems: Jibanananda Das: —Before DyingI, —Windy NightI, —I Shall Return to this Bengali Sri Sri. —Forward MarchI, —From _Some People Laugh, Some People Cry‘I G.M. Muktibodh: — The VoidI, —So Very FarI Nissim Ezekiel: —Enterpriseli, —Night of the ScorpionI, —Goodbye Party for Miss Pushpa T.S.I Jayanta Mahapatra: —HungerI, —Dhaili, —GrandfatherI, —A CountryI Short-Stories: 1 Prem Chand, —The Holy PanchayatI Vaikom Muhammad Basheer, —The Card-Sharpers DaughterI Saadat Hasan Manto, —Toba Tek Singhi Ambai, —SquirrelI Ismat Chughtai, —The Sacred DutyI (From Modern Indian Literature, ed. Dept. of English, University of Delhi, OUP).</p>	6
		<p><u>Non-Detailed Study:</u> UNIT II Autobiography: Omprakash Balmiki: Joothan (Trans. By Arun Prabha Mukherjee). UNIT-III Play: Vijay Tendulkar: Silence, The Court is in Session</p>	
II	ENG AEEC/ SEC 204	<p>AEEC/SEC - 1: Creative Writing, Book and Media Reviews UNIT-I Literary Forms: Poetry: Lyric, Sonnet, Epic, Ode, Ballad Drama: Tragedy and Comedy Fiction: Short Story and Novel Prose: Essay, Periodical, Article (Newspaper Article and Blog) UNIT-II Literary Terms: Plot, Characterization, Dialogue, Monologue, Soliloquy, Aside, Narrator, Persona, Irony, Metaphor, Simile, Metonymy, Alliteration, Rhyme, Onomatopoeia, Oxymoron, Point of View and Theme UNIT-III Reading Literature: Creativity and Imagination: "Gift of the Magi" by O' Henry "Daffodils" by William Wordsworth The Dark Room by R. K. Narayan UNIT-IV Media Reviews: Book, Film and TV Programme Reviews Recommended Readings: M. H. Abrams. A Glossary of Literary Terms. Anjana Neira Dev, et al. Creative Writing: A Beginner's Manual. Delhi: Pearson, 2009. Print.</p>	4

II	ENG AEEC/ SEC 205	<p>AEEC/SEC-2 Translation Studies and Principles of Translation (Basic Concepts and Readings)</p> <p>UNIT-I Introduction to Translation: 1. Definition of Translation—Translating from source language to target language</p>	4
		<p>2. Purpose of Translation—Translation as a literary, cultural, and knowledge bridge, self-other interaction</p> <p>UNIT-II Approaches to Translation: Domestication: Readability in the target language Foreignisation: Faithfulness to the source language text</p> <p>UNIT-III Methods of Translation: Meta-phrase—sense translation based on difference Paraphrase—word-to-word translation based on equivalence Imitation—regulated transformation Interpretation and Adaptation Reading: "Preface to Ovid's Epistles" – (1680) by John Dryden</p> <p>UNIT-IV Problems of Translation: Cultural Gap Untranslatability Translation as appropriation of indigenous languages by English Reading: "Translation of Poetry" by Sri Aurobindo. Letters on Poetry, Literature and Art.</p> <p>UNIT-V Translation in India: Definitions: Anuvad, Bhashantar, Roopantar Key Terms: Rasa, Dhvani, Auchitya Reading Translation: Cultural Difference, Contexts and Language Shubhangi Bhadbhade, —Garden of Spice (—Mehakti Phulwaril) Jaiwanti Dimri, —The Inner Eye (—Antardrishtil) (Both the stories are from Rekha Sharma, ed. Translation: Theory and Practice. Authorspress, 2015.)</p>	

		<p>UNIT-VI</p> <p>Translation:</p> <p>1. Translating a literary/non-literary passage from Hindi into English and English into Hindi (about 100 words) Classroom Activity:</p> <ul style="list-style-type: none"> <li>• Inter-medial Translation: Word-Film-Painting</li> <li>• Film: The Blue Umbrella based on Ruskin Bond's eponymous story</li> </ul> <p>Suggested Readings:</p> <p>Jeremy Munday. Introducing Translation Studies: Theories and Application. Routledge-2012.</p> <p>Peter Newmark. A Text Book of Translation. Prentice Hall International. 1988.</p> <p>Eugene Nida. The Theory and Practice of Translation. Brill Archive. 1982.</p> <p>M. Baker, ed. Routledge Encyclopedia of Translation Studies, Routledge, 1998.</p> <p>S. S. Barlingay. A Modern Introduction to Indian Aesthetic Theory. DK Printworld, 2007.</p> <p>Susan Bassnett. Translation Studies, Routledge, 2002 ed.</p> <p>Susan Bassnett and Harish Trivedi, eds. Post-colonial Translation: Theory and Practice. Routledge, 1999.</p> <p>Rekha Sharma, ed. Translation: Theory and Practice. Delhi: Authorspress, 2015.</p> <p>Paul St-Pierre and Prafulla C. Kar, eds. Reflection, Refraction, Transformation. Pencraft, 2005.</p> <p>L. Venuti, ed. The Translation Studies Reader. Routledge, 2000.</p>	
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Year	Paper Code	Course Name & Syllabus	Credits
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III	ENG AEEC/ SEC 301	<p>AEEC/SEC-3 Technical Writing</p> <p>UNIT-I</p> <p>Language Skills: Tenses, Voice, Narration and Punctuation</p> <p>UNIT-II</p> <p>Technical Writing: Definition and Preparation of Manual, Memorandum, Agenda, Minutes of a Meeting, and Powerpoint Presentation</p> <p>UNIT-III</p> <p>Writing Skills: Basic Research Methodology:</p> <p>Project Report</p> <p>Format</p> <ul style="list-style-type: none"> <li>• Margins</li> <li>• Headings</li> <li>• Indentation</li> <li>• Pagination</li> <li>• Type Face and Fonts</li> <li>• Common Abbreviations</li> </ul> <p>Organisation</p> <ul style="list-style-type: none"> <li>• Preparation of the Basic Plan - Ideas and Background Research</li> <li>• Outline with Headings and Sub-headings □ Writing, Reading and Re-writing</li> </ul> <p>Contents</p> <ul style="list-style-type: none"> <li>• Cover and Title Page</li> <li>• Table of Contents</li> <li>• Preface/Acknowledgement</li> <li>• Abstract/Summary</li> <li>• Introduction</li> <li>• Heading and Sub-headings</li> <li>• Findings</li> <li>• Conclusion</li> <li>• Recommendations</li> <li>• Works Consulted and Cited</li> </ul>	4
		<p>UNIT-IV</p> <p>Data Analysis</p> <p>(a) (i) Qualitative Interpretation (ii) Quantitative Interpretation (b) Reading and Interpreting Data:</p> <p>(i) Bar Graphs</p> <p>(ii) Pie Charts Classroom Activity:</p> <p>Writing a Project Report</p> <p>Recommended Style:</p> <p>MLA Handbook, 8<sup>th</sup> Edition.</p> <p>Suggested Readings:</p> <p>Fundamentals of Technical Communication. Meenakshi Raman &amp; Sangeeta Sharma. OUP, 2014.</p> <p>Effective Technical Communication. Barun K. Mitra. OUP, 2006.</p> <p>Technical Communication: Principles and Practice. 3rd edition Meenakshi Raman &amp; Sangeeta Sharma. OUP, 2015.</p> <p>Writing as Thinking: A Guided Process Approach. Marcella Frank. Prentice Hall, 1990.</p>	



III	ENG AEEC/ SEC 302	<p>AEEC/SEC-4 Business Communication</p> <p>UNIT-I Introducing Business Communication:</p> <ul style="list-style-type: none"> <li>• Basic Forms of Communication</li> <li>• Communication Models and Processes: Linear, Transitional and Interactive</li> <li>• Effective Communication</li> <li>• Principles of Effective Communication</li> </ul> <p>UNIT-II Corporate Communication:</p> <ul style="list-style-type: none"> <li>• Formal and Informal Communication: Grapevine</li> <li>• Barriers and Gateways to Communication</li> <li>• Practices in Business Communication</li> </ul> <p>Group Discussion Mock Interview Seminars Individual and Group Presentations</p> <p>UNIT-III Writing Skills and Modern Communication:</p> <ul style="list-style-type: none"> <li>• Business Letters and Memo Format</li> </ul>	4
		<p>Good News and Bad News Letters Sales Letter Selection Letter Fax, E-mail - Formal and Informal Video Conferencing</p> <p>UNIT-IV Non-Verbal Aspects of Communication:</p> <p>Body Language Kinesics Proxemics Para Language Classroom Activity: Office Etiquette – Personal Appearance, Grooming, Professional Appearance, Manners, Pleasantness, Punctuality, Listening, Preparation, Respect/Courtesy, Work Culture Business Dining – Table Manners and Conventions Managing Customer Care – Customer is King, Prompt Service, Courtesy Making a Powerpoint Presentation</p> <p>Recommended Readings:</p> <p>Business Communication: Concepts, Cases and Applications. P. D. Chaturvedi and Mukesh Chaturvedi. Pearson Edu.</p> <p>Business Communication. Virender Kumar and Bodhraj. Kalyani Publication.</p> <p>Suggested Readings:</p> <p>Business Communication and Personality Development. Sri Jinkushal and Budhi Singh. V.K. Publishers.</p> <p>Business Communication. K.K. Sinha. Fourth Revised and Enlarged Edition. Taxmann, 2012.</p> <p>Business Communication. Hory Sankar Mukerjee. OUP, 2016.</p> <p>Business Communication. 2nd ed. Meenakshi Raman &amp; Prakash Singh. OUP, 2012.</p>	

III	ENG DSE 303	<p>DSE –1A Soft Skills</p> <p>Listening Skills:  Comprehending  Retaining  Responding  Barriers to Listening  Overcoming Barriers to Listening</p> <p>Teamwork:  Teamwork involves building relationships and working with other people using a number of important skills and habits:  Working Cooperatively  Contributing to groups with ideas, suggestions, and effort  Communication (both giving and receiving)  Sense of Responsibility  Healthy respect for different opinions, customs, and individual preferences  Ability to participate in group decision-making</p> <p>C) Emotional Intelligence:  Characteristics of Emotional Intelligence:  Self-Awareness  Self-Regulation  Motivation  Empathy  Social and Cultural Sensitivity</p> <p>Ways to Improve Emotional Intelligence:  Observe how you react to people  Look at your work environment  Do a self-evaluation  Examine how you react to stressful situations  Take responsibility for your actions  Examine how your actions affect others</p>	6
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		<p>D) Adaptability:  See the big picture  Don't be afraid to improvise  Question the status quo  There's no —Il in Adaptability  Change your Routine</p> <p>E) Problem Solving:  Four basic steps in solving a Problem:  Defining the Problem  Generating Alternatives  Evaluating and Selecting Alternatives  Implementing Solutions</p> <p>F) Interview Skills:  Preparation  Self-evaluation-SWOT  Punctuality  First Impressions: Professional Dressing, Body Language and Non-verbal Cues  Listening and Speaking  Etiquette and Courtesy  Classroom Activity:  Reading Visual Texts  Graphics/Caroons: Reading and Analysis (with Special Reference to India)  Understanding/Interpreting Indian Films  Group Discussions  Recommended Reading:  English and Soft Skills. S. P. Dhanavel. Orient Blackswan, 2013.  Suggested Readings:  Soft Skill for Managers. T. Kalyana Chakravarthi and T. Latha Chakravarthi. First Edition. Wiley Publishing, 2015.  The First Book of Life Skills. Larry James. First Edition. Embassy Books, 2016.  The 5 Levels of Leadership. John C. Maxwell. Centre Street, A division of Hachette Book Group Inc., 2014.  Personality Development &amp; Soft Skills. Barun K. Mitra. First Edition. Oxford Publishers, 2011.</p>	
		<p>Development of Life Skills and Professional Practice. Shalini Verma. First Edition. Vikas Publishing, 2014.  Beyond the Boundaries of Bollywood: The Many Forms of Hindi Cinema. Rachel Dwyer. Atlantic Publishers, 2011.  Abhi Baki Hai: Bollywood as a Guide to Modern India. Rachel Dwyer. Picture Hatchette, 2014.  Brushing up the Years: A Cartoonist's History of India, 1947. R. K. Laxman. Penguin India, 2008.  Out of Line. C. R. Devadawson. Orient Blackswan, 2014.</p>	

III	ENG DSE 304	<p>DSE-1B Academic Writing and Composition</p> <p>Types of Academic Writing:</p> <p>Descriptive</p> <p>Analytical</p> <p>Persuasive</p> <p>Critical</p> <p>Features and Conventions of Academic Writing:</p> <p>Clear, Concise, Objective, Accurate Writing</p> <p>Grammar: Subject-Verb Agreement, Punctuation, Use of Apostrophe, Common Abbreviations</p> <p>Common Errors: Colloquialisms, Jargon, Clichés, Contraction, Repetition, Emotive Language, Spelling and Grammatical Errors</p> <p>Process of Academic Writing:</p> <p>Pre-Drafting – Research and Brainstorm</p> <p>Drafting – Headings, Sub-headings and Development of the Idea</p> <p>Revising – Making Changes, Correcting and Rewriting</p> <p>Editing – Removing Errors, Proof Readings, Polishing</p> <p>Critical Thinking:</p> <p>Analysis</p> <p>Evaluation</p> <p>Synthesis</p> <p>Paragraph Writing:</p> <p>Topic Sentence, Elaborative Sentences – Supporting/ Explaining/ Describing/ Discussing/ Concluding Sentence, Transitional Words and Phrases</p>	6
		<p>Classroom Activity:</p> <p>Riddles and Problem Solving Exercises</p> <p>Brainstorming</p> <p>Writing an Abstract</p> <p>Precis Writing</p> <p>Recommended Reading:</p> <p>1. Renu Gupta. A Course in Academic Writing. New Delhi: Orient Blackswan, 2010.</p> <p>Suggested Readings:</p> <p>Lin Ham-Lyons and Ben Heasley. Study Writing: A Course in Writing Skills for Academic Purpose. Cambridge: CUP, 2006.</p> <p>Iona Leki. Academic Writing: Exploring Processes and Strategies. 2nd Edition. CUP, 1998.</p> <p>Gerald Graff and Cathy Birkenstein. They Say/I Say: The Moves That Matter in Academic Writing. Norton, 2009.</p>	
III	ENG GE 305	<p>GE-1 Literature from Himachal</p> <p>Textbook under Preparation by the Department of English, Himachal Pradesh University.</p>	

		<p>Classroom Activity:</p> <p>1. Group Discussions and Presentations on:</p> <p>Kinkari Devi</p> <p>Women Farmers in India</p> <p>Chipko Movement</p> <p>Women's Role in Traditional and Organic Farming</p> <p>Suggested Readings:</p> <p>Masculinities. R.W. Connell. Polity 2005.</p> <p>The Creation of Patriarchy. Gerda Lerner. OUP, 1987. □ A Field of One's Own: Gender and Land Rights in South Asia. Bina Aggarwal. CUP, 1994.</p> <p>50 Key Concepts in Gender Studies. Jane Pilcher and Imelda Whelehan. Sage Publications, 2004.</p> <p>Seeing Like a Feminist. Nivedita Menon. Zubaan, Penguin, 2012.</p> <p>Fields of Protest: Women's Movements in India. Raka Ray, ed. University of Minnesota Press.</p> <p>Transcultural Negotiations of Gender. Saugata Bhaduri and Indrani Mukherjee, Springer, ed., 2015.</p> <p>Women in India- A Social and Cultural History. Vols I &amp; II, ABC CLIO, LLC. Sita Anantha Raman.</p> <p>Staying Alive: Women, Ecology and Survival in India. Kali for Women. Vandana Shiva, 1995.</p> <p>Women in Modern India. Geraldine Forbes. CUP, 2004.</p> <p>Films:</p> <p>Kunku (1937) (Marathi)</p> <p>Mahanagar (1963)</p> <p>Pratighat (1987)</p> <p>Mirch Masala (1987)</p> <p>Bandit Queen (1994)</p> <p>Hari Bhari (2000)</p> <p>Lajja (2001)</p> <p>Kovilpatti Veeralakshmi (2003)</p> <p>Matrubhoomi (2003)</p> <p>English Vinglish (2012)</p> <p>The World before Her (2012)</p> <p>Queen (2014)</p> <p>Pink (2016)</p> <p>Raazi (2018)</p>	
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**(2) PUBLIC ADMINISTRATION**

B.A. – 1<sup>st</sup> Year  
Core Course DSC : 1A  
Code PUBA 101 – A  
Course: Administrative Theory

Unit	Topic
I	Public Administration: Meaning, Nature, Scope and Significance. Evolution of Public Administration. Public and Private Administration : Similarities and Dissimilarities. Public Administration as an Art and Science. Relationship of Public Administration with Political Science, Sociology and Economics. New Public Administration: New Public Management
II	Principles of Organization:-: Hierarchy, Unity of Command, and Span of Control, Centralization: Meaning, merits & demerits Decentralization: Meaning, merits & demerits Delegation: meaning, need, elements and hindrances Supervision: meaning, need and methods of supervision Authority and Responsibility
III	Forms of Organization: Meaning, Elements and Basis of Organization. Formal and Informal Organization: Meaning, Significance. Difference between Formal and Informal Organization Theories of Organization: Brief introduction of Scientific Management Theory, Human Relations Theory Bureaucratic Theory
IV	Decision making: meaning, types and functions Leadership: meaning, types and functions Communication: meaning, importance and types Coordination: meaning, importance and methods of effective coordination

Code: PUBA 102 – A  
Course: Indian Administration  
Core Course DSC: 1B

Unit	Topic
I	Evolution of Indian Administrative System: Brief account of Indian Administration during ancient period, Mughal period, British Rule and after Independence. Indian Administration: Nature, Legacy and Features of Indian Administration.
II	Civil Services in India: Structure of Civil Services, Nature, Role and Rationale Recruitment of Civil Services, Recruitment agencies: Union Public Service Commission: Organization Structure, Functions and Role State Public Service Commission: Organization Structure, Functions and Role

III	Constitutional Authorities: Finance Commission : Organizational structure, functions and role, Election Commission: Organizational structure, functions and role, Comptroller and Auditor General of India: Organizational structure, functions and role.
IV	Problem of corruption in Indian Administration: Meaning, Causes and Control, Lok Pal and Lokayukta: Role and responsibilities Citizen's Charter: meaning, significance Right to Information Act, 2005: Objectives and main provisions

Public Administration Syllabus  
B.A. IInd Year  
Code: PUBA 201 – A  
Course: Administrative Thinkers  
Core Course DSC: 1C

Unit	Topic
I	i. Kautilya: Brief Life Sketch, Administrative Features of Kautilya's Arthshastra ii. Saptang Theory or Elements of State and Role of King and Qualities Mahatma Gandhi Brief Life Sketch Concept of Ideal State Democracy and Administration, Theory of Trusteeship, Nonvoidance and Satyagrah
II	F.W. Taylor: brief life sketch Principles of Scientific Management, Mental Revolution, Incentive wage system Elton Mayo Brief life Sketch, Human Relation Theory, Hawthorne Experiments, Importance, effects of Hawthorne Experiments.
III	Max Weber: brief life sketch, Theory of Authority Structure, Theory of Bureaucracy Herbert Simon: brief life sketch, Classification of Decisions, Steps in decision making iii. Simon's Bounded Rationality Model
IV	Abraham Maslow: brief sketch, The Need Hierarchy Theory of Motivation Frederick Herzberg: brief life sketch: Two Factor or Motivation Hygiene Theory, Job Enrichment

B.A. IInd Year  
Code: PUBA 202 – A  
Course: Development Administration  
Core Course DSC: 1D

Unit	Topic
I	Development: Definition, Nature and Dimensions of Development Problems of Development in Developing Countries Sustainable Development: Concept, Features and significance

II	Development Administration: Meaning Nature, and Scope Essential Features of Development Administration Difference between Traditional and Development Administration
III	Machinery for Planning in India NITI Aayog, Organization, Functions and Role National Development Council, Function and Role State Planning Board, Organization, Function and role with special reference to Himachal Pradesh
IV	Participation and Role of various Agencies in Development Administration Political Parties Local Bodies NGO's Self Help Groups (SHGs) Bureaucracy

B.A. IInd Year  
Code: PUBA 202 – A  
Skill Enhancement Course; SEC – 1A  
Code: PUBA 203-A  
Course: Computer Applications & Office Management

Unit	Topic
I	Computer: Design, Architecture: Operating System MS Office Tools (Word, Power Points, Excel etc.) Internet & Email etc Importance of Computers in Office Management
II	Office and Office Management- meaning of office, function of office, primary and administrative functions, importance of office. Concept of paperless office, Definition and elements of office management duties of an Office Manager
III	Meaning and importance of filing, essential of good filing system. Office Record Management- Meaning, importance of record keeping management, principles of record management and types of records kept in organization
IV	Office Machines and equipments- Importance objectives of office machines. Office Safety & Security-Meaning importance of office Safety, safety hazards and steps to improve office safety. Security hazard and steps to improve office security, Cyber Crimes. Measurement of Office Work – Importance purpose, difficulty in measuring office work.

B.A. – II Year  
Course: Skill Enhancement,  
SEC-2B  
Code: PUBA204-A  
Course: Human Resource & Logistic Management

Unit	Topic



I	Meaning, Nature, Scope & Significance of Human Resource Management (HRM) Objective & Function of Human Resource Management Qualities of Human Resource Manager/Personnel Manager
II	Human Resource Planning Meaning, Objectives and Need, Factors affecting Human Resource Planning, HR Problems.
III	Logistics-Concept, Principles and Forms, Logistics Management: Conceptual Framework Logistics Management: Components: Procurement of Material and Inventory Control (Economic Order Quantity, ABC and VED Analysis), Material Handling and Packaging, Transportation, Warehousing Storage and Security, Logistics Information System
IV	Logistic Management: Emerging Trends Green Logistics Effective Logistics Management: Challenges (Human Resource Management, Financial Management, Inventory/Materials. Outsourcing, Customer Satisfaction etc)

BA-III Year  
Code: PUBA301-A  
Course: SEC-3C Skill Enhancement Course  
Course: Leadership Styles and Conflict Management

Unit	Topic
I	Meaning of Leadership Types of Leadership Qualities and Functions of Leadership Leadership Styles viz Autocratic style, Democratic style and Laissez Faire style
II	Nature and Causes of Organizational Conflicts Conflicts in an Organisation: Types and Levels of Conflicts Criteria for Conflict Management
III	Bargaining strategies in negotiation Negotiation process Stages Techniques of Negotiations: Third-party Negotiations
IV	Styles of Handling Inter-personal Conflicts and Managing Conflict Management Process: Case Studies The Arbitration and Conciliation (Amendment) Act, 2015

B.A. – III Year  
Code: PUBA 302 A  
Course SEC – 4D  
Skill Enhancement Course  
Course: Stress & Time Management

Unit	Topic
I	Stress: Nature and Symptoms Sources of Stress: Environmental, Social, Physiological and Psychological Workplace Stress: Major Causes Stress and Health: Effects of Stress on Health

II	Time Management: Concept Waste of Time: Distractions at Workplace Time Wasters and Time Savers Effects of Poor Time Management on Job Performance
III	Effective Methods and Approaches to Manage Stress Methods: Yoga, Meditation, Relaxation Techniques Approaches: Action-oriented, Emotions-oriented, Acceptance-oriented and Adaptation- oriented Iv Self awareness and Motivation
IV	Effective Methods and Approaches to Manage Time Creating an effective environment Setting priorities and Goals Elimination of non-priorities Challenges of Time Management

BA-III Year

Course: DSE-1-A (Option -I) Discipline Specific Elective CODE: PUBA303-A

Course: Local Government in India

Unit	Topic
I	Evolution of Local Government in India Local Government under British Rule and Post Independent period Local Self government- Meaning, Nature and significance
II	Organization and Functions of Gram Panchyat Panchyat Samiti-Organisation, Structure and Function Zila Parishad- Organisation, Structure and Function 73 <sup>rd</sup> Constitutional Amendment Act- Main Features
III	Municipal Corporation: Organisation, Structure and Functions Power and Function of Mayor and Municipal Commissioner Municipal Committee/Council/Nagar Panchyat Organization and functions. Main Features of 74 <sup>th</sup> Constitution Amendment
IV	Finance of Local Self Bodies Reasons for Poor Financial Position and suggestion Machinery for Supervision & Control over Local Bodies

Public Administration Syllabus  
BA – III Year  
Code: PUBA 304 – A  
DSE – 1A; (Option - II) Discipline Specific Elective  
Course: Contemporary Issues and Concerns in Indian Administration

Unit	Topic
I	Challenges of Globalization, Concerns of Public-Private-People Partnerships, Corporate Social Responsibility, Issues of Decentralization, Citizen- Centric Administration, Human Rights National Human Rights Commission (NHRC)
II	Good Governance, e-governance, citizen charter, consumer Protection Act 1986, RTI Act 2005
III	Women Empowerment, Welfare of weaker Sections: SC/ST and OBC's, Welfare of Children and Aged
IV	Environmental Administration Concept and Significance Environmental Protection Act 1986 National Green Tribunal, Centre Pollution control Board and State Pollution Control Board (with Reference to Himachal Pradesh)

BA-III Year  
Course: DSE- IB: (option-1S) Discipline Specific Elective Code: PUBA305-A  
Course: Public Policy and Administration in India

Unit	Topic
I	Public Policy Definition, Nature Significance and Types Public Policy Models, Public Policy Process in India: Formulation and Implementation
II	Public policy Making Organs in India: Constitution, Executive Legislative, Judiciary, Political Parties, Pressure Groups, Press and Public Opinion.
III	Concept and Approach of Social Welfare and Social Welfare Policies- Education Policy and Right to Education, Health Policy and National Health Mission, Food Policy and Right to Food Security, Employment Policy ( MGNREGA) Environment Policy.
IV	Citizen and Administration Interface-I Public Service Delivery and Redressal of Public Grievances –Citizen and Administration Interface-II RTI, Lokpal, Citizen Charter and E-Governance

BA-III Year  
Code: PUBA306-A  
Course: DSE- IB; Option II Discipline Specific Elective  
Course: Financial Administration

Unit	Topic
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I	Public Finance –Meaning and Forms, Financial Administration- Nature, Scope, Importance and Principles, Fiscal Federalism- Principles, Centre-state- Financial Relations, Finance Commission
II	Government Budget- Concept, Features, Types, Principles and Functions, Government Budgeting in India- Preparation, Enactment and Execution, Delegation of Financial Powers and Control over Expenditure, Role of Ministry of Finance
III	Tax Administration In India- Types of Taxes in India( Centre, State and Local) Methods of Taxation, Role of Central Board of Direct Taxes and Central Board of Excise and Customs and GST.
IV	Parliamentary Control over Finance, Parliamentary Committees (PAC, Estimate Committee and CPU) CAG and RBI

BA-III Year

Code: GE-1; PUBA307-A

Course: Constitutional and Administrative Aspects of Himachal Pradesh

Unit	Topic
I	Constitutional History: Emergence of Himachal Pradesh Himachal as Chief Commissioner and Part C State. Re-organization of H.P. and State re-organization commission Himachal Pradesh towards full statehood.
II	Administrative History: Himachal Pradesh under Chief Commissioner Administration of Himachal Pradesh during Union Territory Period. Administrative setup of Himachal Pradesh at the time of re-organization. Present administrative setup of Himachal Pradesh at state, division, District and Block level.
III	Local Government in Himachal Pradesh Salient Feature of 73 <sup>rd</sup> amendment act. Salient Feature of 74 <sup>th</sup> amendment act. Composition and functions of Gram Panchyat, Panchyat Smiti & Zila Parishad Composition and functions of Municipal Corporation & Municipal Council
IV	Transparency and Accountability of Governance in Himachal Pradesh The Himachal Pradesh Public Services Guarantee act 2011. Feature of RTI act 2005 & HP RTI rules 2006

B.A. – III Year

Code: GE – 2: PUBA 308 – A

Option (I)

Course: Disaster Management

Unit	Topic
I	Disaster- Meaning, Types, Causes of disaster and effects of disaster

II	Classification of Disasters- Hazard, Risk and Vulnerability-Natural and Man Made Disasters- Disaster Profile of India. Organizational structure for Disaster management at National & State Level, Role of NDRF
III	Disaster Management: Act, Policy and Institutional Framework- Disaster Management Cycle with focus of Preparedness. Prevention and mitigation-Disaster Relief and Response-Damage Assessment-Rehabilitation, Reconstruction and Recovery
IV	Relevance of Indigenous Knowledge-Community based Disaster Management-Disaster Management Strategies-Disaster Management Case Studies

BA-III Year  
Code: PUBA 309 – A  
Course: E – Governance

Unit	Topic
I	E-Governance-Concept significance & Scope, Pre-conditions for implementing e-governance
II	E-Governance in Government Departments/Institutions/Agencies; Transforming Administrative Culture E-Governance and Good Governance.
III	E-learning, E-commerce, E-health Measures for Effective Implementation of E-Governance Challenges Measures for having effective e-governance
IV	Initiative taken for promoting E-governance in Himachal Pradesh, Challenges of E-Governance in H.P.

### (3) MATHEMATICS

Course Code	MATH101TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Differential Calculus
Type of the Course	Core Course
CCA: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### Core1.1: Differential Calculus

#### Unit-I

Limit and Continuity (epsilon and  $\delta$  definition), Types of discontinuities, Differentiability of functions, Successive differentiation, Leibnitz's theorem.

#### Unit-II

Indeterminate forms, Rolle's theorem, Lagrange's & Cauchy Mean Value theorems, Taylor's theorem with Lagrange's and Cauchy's forms of remainder, Taylor's series. Maclaurin's series of  $\sin x$ ,  $\cos x$ ,  $e^x$ ,  $\log(1+x)$ ,  $(1+x)^m$ .

#### Unit-III

Concavity, Convexity & Points of Inflexion, Curvature, Asymptotes, Singular points, Parametric representation of curves and tracing of curves in parametric form, Polar coordinates.

#### Unit-IV

Functions of several variables (upto three variables): Limit and Continuity of these functions Partial differentiation, Euler's theorem on homogeneous functions, Maxima and Minima with Lagrange Multipliers Method, Jacobian.

Books Recommended:

1. H. Anton, I. Birens and S. Davis, Calculus, John Wiley and Sons, Inc., 2002.
2. G.B. Thomas and R.L. Finney, Calculus, Pearson Education, 2007.

Course Code	MATH102TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Differential Equations
Type of the Course	Core Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### Core1.2: Differential Equations

#### Unit-I

Basic theory of linear differential equations, Wronskian, and its properties. First order exact differential equations. Integrating factors, rules to find an integrating factor. First order higher degree equations solvable for  $x$ ,  $y$ ,  $p$ .

#### Unit-II

Methods for solving higher-order differential equations. Solving a differential equation by reducing its order. Linear homogenous equations with constant coefficients, Linear non-homogenous equations.

#### Unit-III

The method of variation of parameters. The Cauchy-Euler equation, Simultaneous differential equations, Total differential equations. Order and degree of partial differential equations, Concept of linear and non-linear partial differential equations.

#### Unit-IV

Formation of first order partial differential equations (PDE). Linear partial differential equation of first order, Lagrange's method. Charpit's method for solving PDE, Classification of second order partial differential equations into elliptic, parabolic and hyperbolic through illustrations only.

#### Books Recommended

1. Shepley L. Ross, Differential Equations, 3<sup>rd</sup> Ed., John Wiley and Sons, 1984.
2. I. Sneddon, Elements of Partial Differential Equations, McGraw-Hill, International Edition, 1967.

Course Code	MATH202TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Algebra
Type of the Course	Core Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### Core2.2: Algebra

#### Unit-I

Definition and examples of groups, examples of abelian and non-abelian groups, the group  $Z_n$  of integers under addition modulo and the group  $U(n)$  of units under multiplication modulo  $n$ . Cyclic groups from number systems, complex roots of unity.

#### Unit-II

Subgroups, cyclic sub groups, the concept of a subgroup generated by a subset and the commutator subgroup of group, examples of subgroups including the center of a group. Cosets, Index of subgroup, Lagrange's theorem, order of an element.

#### Unit-III

Normal subgroups: their definition, examples, and characterizations, Quotient groups Fundamental theorem of Homomorphism.

#### Unit-IV

Definition and examples of rings, examples of commutative and non-commutative rings: rings from number systems,  $Z_n$  the ring of integers modulo  $n$ . Rings of matrices, polynomial rings, Subrings and ideals, Definition of Integral domains and fields.

#### Books Recommended

1. John B. Fraleigh, A First Course in Abstract Algebra, 7<sup>th</sup> Ed., Pearson, 2002.

2. M. Artin, Abstract Algebra, 2<sup>nd</sup> Ed., Pearson, 2011.
3. Joseph A Gallian, Contemporary Abstract Algebra, 4<sup>th</sup> Ed., Narosa, 1999.
4. George E Andrews, Number Theory, Hindustan Publishing Corporation, 1984

Course Code	MATH301TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Matrices
Type of the Course	Discipline Specific Elective
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### DSE 3A.1: Matrices

##### Unit-I

Types of matrices. Rank of a matrix. Invariance of rank under elementary transformations. Reduction to normal form, Solutions of linear homogeneous and non-homogeneous equations with number of equations and unknowns upto three.

##### Unit-II

Matrices in diagonal form. Reduction to diagonal form upto matrices of order 3. Computation of matrix inverses using elementary row operations. Rank of matrix. Solutions of a system of linear equations using matrices. Illustrative examples of above concepts from Geometry, Physics, Chemistry, Combinatorics and Statistics.

##### Unit-III

Definition of Vector space,  $R$ ,  $R_2$ ,  $R_3$  as vector spaces over  $R$ , Concept of Linear dependence/Independence, Standard basis for  $R$ ,  $R_2$ ,  $R_3$ , Examples of different bases. Subspaces of  $R_2$ ,  $R_3$ .

##### Unit-IV

Translation, Dilation, Rotation, Reflection in a point, line and plane. Matrix form of basic geometric transformations. Interpretation of eigen values and eigen vectors for such transformations and eigen spaces as invariant subspaces.

#### Books Recommended

1. A.I. Kostrikin, Introduction to Algebra, Springer Verlag, 1984.
2. S.H. Friedberg, A.L. Insel and L.E. Spence, Linear Algebra, Prentice Hall of India Pvt. Ltd., New Delhi, 2004.
3. Richard Bronson, Theory and Problems of Matrix Operations, Tata McGraw Hill, 1989.

Course Code	MATH302TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Mechanics
Type of the Course	Discipline Specific Elective



Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### DSE 3A.2: Mechanics

##### Unit-I

Conditions of equilibrium of a particle and of coplanar forces acting on a rigid Body.

##### Unit-II

Laws of friction, Problems of equilibrium under forces including friction, Centre of gravity.

##### Unit-III

Work and potential energy. Velocity and acceleration of a particle along a curve, Radial and transverse components (plane curve), tangential and normal components (space curve).

##### Unit-IV

Newton's Laws of motion, Simple harmonic motion, Simple Pendulum, Projectile Motion.

#### Books Recommended

1. A.S. Ramsay, Statics, CBS Publishers and Distributors (Indian Reprint), 1998.
2. A.P. Roberts, Statics and Dynamics with Background in Mathematics, Cambridge University Press, 2003.

Course Code	MATH303TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Linear Algebra
Type of the Course	Discipline Specific Elective
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### DSE 3A.3: Linear Algebra

##### Unit-I

Vector spaces, subspaces, algebra of subspaces, quotient spaces.

##### Unit-II

Linear combination of vectors, linear span, linear independence, basis and dimension, dimension of subspaces.

##### Unit-III

Linear transformations, null space, range, rank and nullity of a linear transformation, matrix representation of a linear transformation, algebra of linear transformations.

#### Unit-IV

Dual Space, Dual Basis, Double Dual, Eigen values and Eigen vectors, Characteristic Polynomial.  
Isomorphisms, Isomorphism theorems, invertibility and isomorphisms, change of coordinate matrix.

#### Books Recommended

1. Stephen H. Friedberg, Arnold J. Insel, Lawrence E. Spence, Linear Algebra, 4<sup>th</sup> Ed., Prentice- Hall of India Pvt. Ltd., New Delhi, 2004.
2. David C. Lay, Linear Algebra and its Applications, 3<sup>rd</sup> Ed., Pearson Education Asia, Indian Reprint, 2007.
3. S. Lang, Introduction to Linear Algebra, 2<sup>nd</sup> Ed., Springer, 2005.
4. Gilbert Strang, Linear Algebra and its Applications, Thomson, 2007.

Course Code	MATH304TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Numerical Methods
Type of the Course	Discipline Specific Elective
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### DSE 3B.1: Numerical Methods

##### Unit-I

Algorithms, Convergence, Bisection method, False position method, Fixed point iteration method, Newton's method, Secant method, LU decomposition.

##### Unit-II

Gauss-Jacobi, Gauss-Siedel and SOR iterative methods, Lagrange and Newton interpolation: linear and higher order.

##### Unit-III

Finite difference operators, Numerical differentiation: Newton's forward difference and backward difference method, Sterling's Central difference method.

##### Unit-IV

Integration: Trapezoidal rule, Simpson's rule, Euler's method.

#### Books Recommended

1. B. Bradie, A Friendly Introduction to Numerical Analysis, Pearson Education, India, 2007.
2. M.K. Jain, S.R.K. Iyengar and R.K. Jain, Numerical Methods for Scientific and Engineering Computation, 5<sup>th</sup> Ed., New age International Publisher, India, 2007.

Course Code	MATH305TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Complex Analysis
Type of the Course	Discipline Specific Elective
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### DSE 3B.2: Complex Analysis

##### Unit-I

Limits, Limits involving the point at infinity, continuity. Properties of complex numbers, regions in the complex plane, functions of complex variable, mappings. Derivatives, differentiation formulas, Cauchy-Riemann equations, sufficient conditions for differentiability.

##### Unit-II

Analytic functions, examples of analytic functions, exponential function, Logarithmic function, trigonometric function, derivatives of functions, definite integrals of functions.

##### Unit-III

Contours, Contour integrals and its examples, upper bounds for moduli of contour integrals. Cauchy-Goursat theorem, Cauchy integral formula.

##### Unit-IV

Liouville's theorem and the fundamental theorem of algebra. Convergence of sequences and series, Taylor series and its examples.

#### Books Recommended

1. James Ward Brown and Ruel V. Churchill, Complex Variables and Applications, 8<sup>th</sup> Ed., McGraw-Hill International Edition, 2009.
2. Joseph Bak and Donald J. Newman, Complex analysis, 2<sup>nd</sup> Ed., Undergraduate Texts in Mathematics, Springer-Verlag New York, Inc., New York, 1997.

Course Code	MATH306TH
Credits= 6	L-5,T-1,P-0
Name of the Course	Linear Programming
Type of the Course	Discipline Specific Elective

Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### DSE 3B.3: Linear Programming

#### Unit-I

Linear Programming Problems, Graphical Approach for Solving some Linear Programs. Convex Sets, Supporting and Separating Hyperplanes.

#### Unit-II

Theory of simplex method, optimality and unboundedness, the simplex algorithm, simplex method in tableau format.

#### Unit-III

Introduction to artificial variables, two-phase method, Big-M method and their comparison.

#### Unit-IV

Duality, formulation of the dual problem, primal-dual relationships, economic interpretation of the dual, sensitivity analysis.

#### Recommended Books

1. Mokhtar S. Bazaraa, John J. Jarvis and Hanif D. Sherali, Linear programming and Network Flows, 2<sup>nd</sup> Ed., John Wiley and Sons, India, 2004.
2. F.S. Hillier and G.J. Lieberman, Introduction to Operations Research, 8<sup>th</sup> Ed., Tata McGraw Hill, Singapore, 2004.
3. Hamdy A. Taha, Operations Research, An Introduction, 8<sup>th</sup> Ed., Prentice-Hall India, 2006.

Course Code	MATH308TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Analytical Geometry
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.2: Analytical Geometry

#### Unit-I

Techniques for sketching parabola, ellipse and hyperbola, Reflection properties of parabola, ellipse and hyperbola.

#### Unit-II

Classification of quadratic equations representing lines, parabola, ellipse and hyperbola,

#### Unit-III

Sphere. Plane section of a sphere. Sphere through a given circle. Intersection of two spheres.

Radical plane. Radical line and Radical point in spheres. Co-axial system of spheres.

#### Unit-IV

Cylindrical surfaces, Illustrations of graphing standard quadric surfaces like cone, ellipsoid.

#### Books Recommended

1. G.B. Thomas and R.L. Finney, Calculus, 9<sup>th</sup> Ed., Pearson Education, Delhi, 2005.
2. H. Anton, I. Bivens and S. Davis, Calculus, John Wiley and Sons (Asia) Pvt. Ltd., 2002.
3. S.L. Loney, The Elements of Coordinate Geometry, McMillan and Company, London.
4. R.J.T. Bill, Elementary Treatise on Coordinate Geometry of Three Dimensions, McMillan India Ltd., 1994.

Course Code	MATH309TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Integral Calculus
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Minor Test(1), Class tests, Assignments, Quiz, Seminar and Attendance	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.3: Integral Calculus

#### Unit-I

Integration by Partial fractions, integration of rational and irrational functions. Properties of definite integrals.

#### Unit-II

Reduction Formulae,  $\int \sin^n x \, dx$ ,  $\int \cos^n x \, dx$ ,  $\int e^{ax} x^n \, dx$ ,  $\int x^n (\log x)^m \, dx$ ,  $\int x^n \sin x \, dx$ ,  $\int x^n \cos x \, dx$ ,

$\int \sin^n x \cos x \, dx$ ,  $\int_0^{\pi/2} \sin^n x \, dx$ ,  $\int_0^{\pi/2} \cos^n x \, dx$ ,  $\int_0^{\pi/2} \sin^n x \cos^n x \, dx$ . Reduction by connecting two integrals (Smaller Index + 1 Method).

#### Unit-III

Areas and lengths of curves in the plane, volumes and surfaces of solids of revolution.

#### Unit-IV

Double and Triple integrals.

#### Books Recommended:

1. G.B. Thomas and R.L. Finney, Calculus, 9<sup>th</sup> Ed., Pearson Education, Delhi, 2005.
2. H. Anton, I. Bivens and S. Davis, Calculus, John Wiley and Sons (Asia) P. Ltd., 2002.

Course Code	MATH310TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Vector Calculus
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

#### SEC 3.4: Vector Calculus

##### Unit -I

Scalar and vector product of three vectors. Product of four vectors. Reciprocal vectors. Vector differentiation, Scalar valued point functions, vector valued point functions. Derivative along a curve, directional derivatives.

##### Unit –II

Gradient of a scalar point function. Geometrical interpretation of gradient of a scalar point function( $\text{grad}\phi$ ). Divergence and curl of a vector point function. Character of divergence and curl of a vector point function. Gradient, Divergence and Curl of sums and products and their related vector identities. Laplacian operator.

##### Unit -III

Orthogonal curvilinear coordinates. Conditions for orthogonality. Fundamental triads of mutually orthogonal unit vectors. Gradient, Divergence, Curl and Laplacian operators in terms of orthogonal curvilinear coordinators.

##### Unit - IV

Vector integration: line integral, surface integral, Volume integral

Theorems of Gauss, Green and Stokes (without proof) and the problems based on these theorems.

#### Books Recommended

1. G.B. Thomas and R.L. Finney, Calculus, 9<sup>th</sup> Ed., Pearson Education, Delhi, 2005.
2. H. Anton, I. Bivens and S. Davis, Calculus, John Wiley and Sons (Asia) P. Ltd. 2002.
3. P.C. Matthew's, Vector Calculus, Springer Verlag London Limited, 1998.

Course Code	MATH311TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Boolean Algebra
Type of the Course	Skill Enhancement Course

Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.5: Boolean Algebra

#### Unit-I

Definition, examples and basic properties of ordered sets, maps between ordered sets, duality principle, maximal and minimal elements.

#### Unit-II

Lattices as ordered sets, complete lattices, lattices as algebraic structures, sub lattices, products and homomorphisms.

#### Unit-III

Definition, examples and properties of modular and distributive lattices, Boolean algebras, Boolean polynomials, minimal forms of Boolean polynomials.

#### Unit-IV

Quinn-McCluskey method, Karnaugh diagrams, switching circuits and applications of switching circuits

#### Books Recommended:

1. BA. Davey and H.A. Priestley, Introduction to Lattices and Order, Cambridge University Press, Cambridge, 1990.
2. Rudolf Lidl and Günter Pilz, Applied Abstract Algebra, 2nd Ed., Undergraduate Texts in Mathematics, Springer (SIE), Indian reprint, 2004.

Course Code	MATH312TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Number Theory
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
End Semester Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions

will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.6: Number Theory

#### Unit-I

Division algorithm, Fermat's theorem, linear Diophantine equation, fundamental theorem of arithmetic, prime counting function, statement of prime number theorem, Goldbach conjecture.

#### Unit-II

Binary and decimal representation of integers, linear congruences, complete set of residues.

#### Unit-III

Number theoretic functions, sum and number of divisors, totally multiplicative functions.

#### Unit-IV

Definition and properties of the Dirichlet product, the Möbius inversion formula, the greatest integer function, Euler's phi-function.

#### Books Recommended:

1. David M. Burton, Elementary Number Theory 6<sup>th</sup> Ed., Tata McGraw-Hill Edition, Indian reprint, 2007.
2. Richard E. Klima, Neil Sigmon, Ernest Stitzinger, Applications of Abstract Algebra with Maple, CRC Press, Boca Raton, 2000.
3. Neville Robinns, Beginning Number Theory, 2<sup>nd</sup> Ed., Narosa Publishing House Pvt. Limited, Delhi, 2007.

Course Code	MATH313TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Probability and Statistics
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Times: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.7: Probability and Statistics

#### Unit-I

Sample space, probability axioms, real random variables (discrete and continuous), cumulative distribution function, probability mass/density functions.

#### Unit-II

Mathematical expectation, moments, moment generating function, characteristic function, discrete distributions:



uniform.

Unit-III

Binomial, Poisson, continuous distributions: uniform, normal, exponential.

Unit-IV

Joint cumulative distribution function and its properties, joint probability density functions, marginal and conditional distributions, expectation of function of two random variables, conditional expectations, independent random variables.

Books Recommended:

1. Robert V. Hogg, Joseph W. McKean and Allen T. Craig, Introduction to Mathematical Statistics, Pearson Education, Asia, 2007.
2. Irwin Miller and Marylees Miller, John E. Freund, Mathematical Statistics with Application, 7<sup>th</sup> Ed., Pearson Education, Asia, 2006.
3. Sheldon Ross, Introduction to Probability Model, 9<sup>th</sup> Ed., Academic Press, Indian Reprint, 2007.

Course Code	MATH314TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Mathematical Finance
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Times: 3 hrs.

Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.8: Mathematical Finance

Unit-I

Basic principles: Comparison, arbitrage and riskaversion, Interest (simple and compound, discrete and continuous), time value of money.

Unit-II

Inflation, net present value, internal rate of return (calculation by bisection and Newton-Raphson methods), comparison of NPV and IRR.

Unit-III

Bonds, bond prices and yields. Floating-rate bonds, immunization.

Asset return, short selling, portfolio return, (brief introduction to expectation, variance, covariance and correlation).

Unit-IV

Random returns, portfolio mean return and variance, diversification, portfolio diagram, feasible set, Markowitz model (review of Lagrange multipliers for 1 and 2 constraints).

Books Recommended:

1. David G. Luenberger, Investment Science, Oxford University Press, Delhi, 1998.
2. John C. Hull, Options, Futures and Other Derivative, 6<sup>th</sup> Ed., Prentice-Hall India, Indian reprint, 2006.
3. Sheldon Ross, An Elementary Introduction to Mathematical Finance, 2<sup>nd</sup> Ed., Cambridge University Press, USA, 2003.

Course Code	MATH315TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Mathematical Modeling
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Times: 3 hrs.

Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.9: Mathematical Modeling

Unit-I

Applications of differential equations: the vibrations of a mass on a spring, mixture problem, free damped motion, forced motion.

Unit-II

Resonance phenomena, electric circuit problem, mechanics of simultaneous differential equations.

Unit-III

Applications to Traffic Flow. Vibrating string, vibrating membrane.

Unit-IV

Conduction of heat in solids, gravitational potential, conservation laws.

Books Recommended:

1. Shepley L. Ross, Differential Equations, 3<sup>rd</sup> Ed., John Wiley and Sons, 1984.
2. I. Sneddon, Elements of Partial Differential Equations, McGraw- Hill, International Edition, 1967.

Course Code	MATH316TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Theory of Equations
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on	Max. Marks:30

Assignments	
End Semester Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC 3.10: Theory of Equations

#### Unit-I

General properties of polynomials, Graphical representation of a polynomials, maximum and minimum values of a polynomials, General properties of equations,

#### Unit-II

Descarte's rule of signs for positive and negative roots, Relation between the roots and the coefficients of equations.

#### Unit-III

Symmetric functions, Applications symmetric function of the roots, Transformation of equations. Solutions of reciprocal and binomial equations.

#### Unit-IV

Algebraic solutions of the cubic and biquadratic. Properties of the derived functions.

#### Books Recommended

1. W.S. Burnside and A.W. Panton, The Theory of Equations, Dublin University Press, 1954.  
C.C. MacDuffee, Theory of Equations, John Wiley & Sons Inc., 1954.

Course Code	MATH317TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Transportation and Game Theory
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Time: 3 hrs.

#### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC3.11: Transportation and Game Theory

#### Unit-I

Transportation problem and its mathematical formulation. northwest-corner method, least cost method.

#### Unit-II

Vogel approximation method for determination of starting basic solution, algorithm for solving transportation problem.

### Unit-III

Assignment problem and its mathematical formulation, Hungarian method for solving assignment problem.

### Unit-IV

Game theory: formulation of two person zero sum games, solving two person zero sum games, games with mixed strategies, graphical solution procedure.

Books Recommended:

1. Mokhtar S. Bazaraa, John J. Jarvis and Hanif D. Sherali, Linear Programming and Network Flows, 2<sup>nd</sup> Ed., John Wiley and Sons, India, 2004.
2. F.S. Hillier and G.J. Lieberman, Introduction to Operations Research, 9<sup>th</sup> Ed., Tata McGraw Hill, Singapore, 2009.
3. Hamdy A. Taha, Operations Research, An Introduction, 8<sup>th</sup> Ed., Prentice Hall India, 2006.

Course Code	MATH318TH
Credits= 4	L-4,T-0,P-0
Name of the Course	Graph Theory
Type of the Course	Skill Enhancement Course
Continuous Comprehensive Assessment: Based on Assignments	Max. Marks:30
Semester Term End Examination	Max Marks: 70 Maximum Time: 3 hrs.

### Instructions

Instructions for paper setter: The question paper will consist of two Sections A & B of 70 marks. Section A will be Compulsory and will contain 8 questions of 16 marks (each of 2 marks) of short answer type having two questions from each Unit of the syllabus. Section B of the question paper shall have four Units I, II, III, and IV. Two questions will be set from each unit of the syllabus and the candidates are required to attempt one question from each of these units. Each question in Units I, II, III and IV shall be of 13.5 marks each.

Instructions for Candidates: Candidates are required to attempt five questions in all. Section A is Compulsory and from Section B they are required to attempt one question from each of the Units I, II, III and IV of the question paper.

### SEC3.12: Graph Theory

#### Unit-I

Definition, examples and basic properties of graphs, pseudographs, complete graphs, bipartite graphs.

#### Unit-II

Isomorphism of graphs, paths and circuits, Eulerian circuits.

#### Unit-III

Hamiltonian cycles, the adjacency matrix, weighted graph, travelling salesman's problem.

#### Unit-IV

Shortest path, Dijkstra's algorithm, Floyd-Warshall algorithm.

Books Recommended:

1. Edgar G. Goodaire and Michael M. Parmenter, Discrete Mathematics with Graph Theory 2<sup>nd</sup> Ed., Pearson Education (Singapore) P. Ltd., Indian Reprint, 2003.
2. Rudolf Lidl and Günter Pilz, Applied Abstract Algebra, 2<sup>nd</sup> Ed., Undergraduate Texts in Mathematics, Springer (SIE), Indian reprint, 2004.

## (4) ECONOMICS

### SYLLABUS – DISCIPLINE SPECIFIC CORE (DSC) COURSES

Year	Discipline Specific Core (DSC) Course (Compulsory)	Course Code
I	Core Economics I: Principles of Microeconomics – I	ECONA101
	Core Economics II: Principles of Microeconomics – II	ECONA102
II	Core Economics III: Principles of Macroeconomics–I	ECONA201
	Core Economics IV: Principles of Macroeconomics–II	ECONA202

Course No. ECONA101  
 Course title: Principles of Microeconomics–I  
 Nature of Course: DSC – I  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course is designed to expose the student to the basic principles in Microeconomic Theory and illustrate the same with applications.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems. Demand and supply: law of demand, determinants of demand, law of supply, determinants of supply, market equilibrium. Applications of demand and supply: consumer surplus, producer surplus. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, income and cross elasticities.	13	4
II.	Consumer Theory Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, indifference curves, derivation of demand curve from indifference curve and consumer's equilibrium; price, income and substitution effects.	10	4
III.	Production and Costs Production: behavior of profit maximizing firms, production functions, law of variable proportions, law of returns to scale; choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition. Costs: costs in the short run, costs in the long run, revenue and profit maximizations, minimizing losses, short run industry supply curve, economies and diseconomies of scale.	11	4
IV.	Market Structure and Perfect Competition Market: Meaning. Market structure: Types and Definition. Role of time element: Market Period, Short Period and Long Period. Market Price and Normal Price. Perfect Competition: assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries.	10	4

### Suggested Readings:

Case, Karl E. & Ray C. Fair, Principles of Economics, Pearson Education, Inc., 8<sup>th</sup> edition, 2007.  
 A. Kotsoyiannis, (1979), Modern Micro Economics, Palgrave MacMillan.  
 G.S. Maddala and Ellen Miller (2004), Micro Economics - Theory and Applications, Tata McGraw Hill, Delhi.  
 Dominick Salvatore „Microeconomic Theory“ Schaum's Outline series: Tata McGraw Hill, Delhi.  
 Hal R. Varian, Intermediate Microeconomics: A modern Approach, WW Norton and Co.

Course No. ECONA102  
 Course title: Principles of Microeconomics–II  
 Nature of Course: DSC – II  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This is a sequel to Principles of Microeconomics–I covered in the part – I. The objective of the course is to further the understanding of the student so as to achieve conceptual clarity.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Theory of a Monopoly Firm Concept of imperfect competition; Monopoly: features, short run and long run price and output decisions of a monopoly firm; concept of a supply curve under monopoly; comparison of perfect competition and monopoly, price discrimination; Dumping; remedies for monopoly: Antitrust laws, natural monopoly.	10	4
II.	Monopolistic Competition and Oligopoly Monopolistic competition: Assumptions, short run & long run price and output determination under monopolistic competition, economic efficiency and resource allocation. Oligopoly: Assumptions, oligopoly model: kinked demand curve and price rigidity, cartels and role of government.	11	4
III.	Market Failure and Factor Pricing Market Failure: Market adjustment to changes in demand, efficiency of perfect competition; sources of market failure: imperfect markets, public goods, externalities, imperfect information; evaluating the market mechanism. Factor Pricing: Meaning and Types of Distribution. Marginal productivity theory of distribution. Wages: Meaning and Types of Wages. Real and Nominal Wage. Theories of Wages (Classical and Modern).	11	4
IV.	Factor Pricing Rent: Concept of Rent. Ricardian Theory of Rent, Quasi Rent, Modern Theory of Rent. Interest: Classical Theory, Loanable Fund Theory and Keynes's Liquidity Preference Theory. Profit: Gross Profit and Net Profit. Theories of Profit: Dynamic Theory of Profit, Innovation Theory of Profit and Uncertainty Bearing Theory of Profit.	12	4

### Suggested Readings:

Case, Karl E. & Ray C. Fair, Principles of Economics, Pearson Education, Inc., 8<sup>th</sup> edition, 2007.  
 A. Koutsoyiannis, (1979), Modern Micro Economics, Palgrave MacMillan.  
 G.S. Maddala and Ellen Miller (2004), Micro Economics - Theory and Applications, Tata McGraw Hill, Delhi.  
 Dominick Salvatore „Microeconomic Theory“ Schaum's Outline series: Tata Magrahill.  
 Hal R. Varian, Intermediate Microeconomics: A modern Approach, WW Norton and Co.

Course No. ECONA201  
 Course title: Principles of Macroeconomics–I  
 Nature of Course: DSC – III  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course introduces students to the basic concepts in Macroeconomics. Macroeconomics and deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables such as GDP, consumption, savings, investment and balance of payments. The course also discusses various theories of determining GDP in the short run.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction to Macroeconomics and National Income Accounting What is macroeconomics? Macroeconomic issues in an economy. National Income Accounting: Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept.	10	4
II.	Classical and Keynesian Theory of Macroeconomics Classical assumptions, Say's Law of Market, Classical theory of employment, output, prices and interest, Limitations of Classical Theories. Keynesian theory of employment: Determination of effective demand, Comparison and contrast between Classical and Keynesian contribution, Relevance of Keynesian economics to developing countries.	12	4
III.	Consumption, Saving and Investment Functions Concepts of MPS, APS, MPC, APC, MPI, API. Keynes Psychological Law of Consumption. Determinants of Consumption. Saving and Investment: Equality between saving and investment. Factors determining Investment. Marginal Efficiency of Capital (MEC), Business expectations and secular stagnation.	11	4
IV.	Money in a Modern Economy Concept of money in modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply; credit creation; monetary policy.	11	4

### Suggested Readings:

Case, Karle & R.C. Fair, Principles of Economics, Pearson Education, Inc., 8<sup>th</sup> edition, 2007.  
 Errol D'Souza, „Macro Economics“, Pearson Education 2008.  
 Sikdar, Shoumyen, Principles of Macroeconomics, 2<sup>nd</sup> Edition, Oxford University Press, India.  
 Eugene Diulio (2004), Macro Economics, Schaum's Outline Series, Tata McGraw Hill, New Delhi.  
 Branson, W.A., Macroeconomic Theory and Policy, Harper & Row, New York.  
 Shapiro, Edward (1982), Macro Economic Analysis, Galgotia Publications (reprint edition).  
 Gregory Mankiw, „Macro economics“ 6th Edn. Tata McGraw Hill.  
 Lipsey R. and A Chrystal, Economics (11th Edition) Oxford University Press New Delhi.



Course No. ECONA202  
 Course title: Principles of Macroeconomics–II  
 Nature of Course: DSC – IV  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This is a sequel to Principles of Macroeconomics–I. It analyses various aspects of macroeconomics in greater detail. It also introduces the student to concept of inflation, its relationship with unemployment and some basic concepts in an open economy.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Multiplier and Accelerator Investment Multiplier: Its working and leakages, Importance and critique. Acceleration Principle: contribution of Samuelson's and Hicks; Super Multiplier; Basic Concept of Business Cycle (excluding theories).	10	4
II.	Theories of Money and Inflation Value of money, Fisher's equation, Cambridge equation, Keynesian theory of money and prices, Milton Friedman's Restatement of Quantity theory of money. Inflation and Unemployment: Concept of inflation; determinants of inflation; relationship between inflation and unemployment: Phillips Curve in short run and long run.	12	4
III.	IS-LM Analysis Equilibrium of monetary and real sector: Classical and Keynesian Dichotomy; Derivation, Properties, Shifts of IS and LM Curves; Simultaneous Equilibrium in monetary and real sector.	10	4
IV.	Balance of Payments and Exchange Rate Balance of payments: Capital and Current Accounts, Causes and Consequences of Disequilibrium in Balance of Payments. Market for foreign exchange: determination of exchange rate under Fixed and Flexible Exchange Rates. Balance of Payments Adjustment under Fixed and Flexible Exchange Rates.	12	4

### Suggested Readings:

Case, Karl E. & R.C. Fair, Principles of Economics, Pearson Education, Inc., 8<sup>th</sup> edition, 2007.  
 Errol D'Souza – „Macro Economics“ – Pearson Education 2008.  
 Sikdar, Shoumyen, Principles of Macroeconomics, 2<sup>nd</sup> Edition, Oxford University Press, India  
 Edward Shapiro – „Macro economic Analysis“ Oxford University press..  
 Gregory Mankiw – „Macro economics“ – 6th Edn. Tata McGraw Hill.  
 Richard T. Frogmen – „Macro economics“, Pearson education.  
 Eugene Diutio – Macro economic Theory, Shaum's Outline series. Tata McGraw Hill

### SYLLABUS: DISCIPLINE SPECIFIC ELECTIVE

Year	Discipline Specific Elective (DSE)	Course Code
III	DSE – GROUP I	
	DSE 1: Indian Economy	ECONA301
	DSE 2: Economic History of India 1857 – 1947	ECONA302
	DSE 3: Economy of Himachal Pradesh	ECONA303
	DSE 4: Basic Econometrics	ECONA304
	DSE – GROUP II	
	DSE 5: Development Economics	ECONA305
	DSE 6: International Economics	ECONA306
	DSE 7: Mathematical Economics	ECONA307
	DSE 8: Economic Systems	ECONA308

Course No. ECONA301  
 Course title: Indian Economy  
 Nature of Course: DSE – 1  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:00:16

#### Course Description

This course is designed to enable students to have in-depth knowledge of various problems and issues faced by Indian Economy. The course will concentrate on both the achievements and the issues of the economy.

#### Course Outline

Unit	Title	Credits
		L
I.	Understanding the Indian Economy Impact of colonization on Indian Economy. Post-Independence Economy; Planning for the economy – objectives, strategy and achievements (Plan wise details to be excluded). State of the Economy in 1991. Features of the Economic Reforms and Structural Adjustment Programme: Liberalization, Privatization and Globalization. Appraisal of Economic Reform Programme. Relevance of planning in the context of globalization, Objectives and Functions of NITI Aayog.	12
II.	Problems Faced by Indian Economy Poverty: definition and estimate, poverty line, poverty alleviation programs. Inequality: income and regional inequality – causes and corrective measures. Unemployment: concepts, measurement, types, causes and remedies. Food problem and food security, Role of Public Distribution System (PDS) in India. Direct Cash Transfer Scheme of Government.	10
III.	Agriculture in India Pattern of Growth of Indian Agriculture since 1950; Land Reforms, Green Revolution, Agricultural Production, Productivity. Factors Influencing Agricultural Development: Marginalisation, Labour, Marketing and Finance. Issues and challenges in agricultural credit and subsidy. Deceleration in the 1990s – Causes and Future Challenges. Economic Liberalization and Emerging Trends in Indian Agriculture. New Agricultural Policy (In the context of liberalization.)	12
IV.	Industries in India Role of Industry in Economic Development. Pattern of Industrialization, Industrial development during the plan period. Role, Growth and Problems of Cottage, small scale and Medium scale industries in India. Industrial Policy: 1948, 1956 and 1991 and Recent Developments. Impact of New Industrial Policy on Industrial Sector.	10

#### Suggested Readings:

- U. Kapila (2010): Indian economy since Independence. Academic Foundation, New Delhi  
 S. Chakraborty ( ): Development Planning: The Indian Experience. Clarendon Press.  
 Jalan Bimal 1992, The Indian Economy - Problems and Prospects.  
 A. Panagariya (2008): India: the Emerging Giant, Oxford University Press, New York  
 5. S. Acharya and R. Mohan (Eds.) (2010): India's Economy: Performance and Challenges, Oxford University Press, New Delhi.  
 6. I. J. Ahluwalia and I. M. D. Little (Eds.) (1998): India's Economic Reforms and Development: Essays for Manmohan Singh, Oxford University Press, New Delhi.

Course No. ECONA302  
 Course title: Economic History of India 1857 – 1947  
 Nature of Course: DSE – 2  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course analyses key aspects of Indian economic development during the second half of British colonial rule. This course links directly to the course on India's economic development after independence in 1947.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction Colonial India: Background and Introduction, Overview of colonial economy. Macro Trends: National Income; population; occupational structure.	10	4
II.	Agriculture, Railways and Industry Agrarian structure and land relations; agricultural markets and institutions –credit, commerce and technology; trends in performance and productivity; famines. Railways; the de-industrialisation debate; evolution of entrepreneurial and Industrial structure; nature of industrialisation in the interwar period; constraints to industrial breakthrough; labor relations.	12	4
III.	Economy and State in the Imperial Context The imperial priorities and the Indian economy; drain of wealth; international Trade, capital flows and the colonial economy – changes and continuities; government and fiscal policy.	10	4
IV.	Indian Economic Thought Economic Thought of R.C Dutt; D. Naoroji; M.G. Ranade, G.K. Gokhale; M.K. Gandhi; B.R. Ambedkar and J.L. Nehru.	12	4

### Suggested Readings:

Lakshmi Subramanian, "History of India 1707-1857", Orient Blackswan, 2010, Chapter 4.  
 2. Sumit Guha, 1991, Mortality decline in early 20th century India,, Indian Economic and Social History Review (IESHR), pp 371-74 and 385-87.  
 Tirthankar Roy, The Economic History of India 1857-1947, Oxford University Press, 3rd edition, 2011.  
 4. J. Krishnamurty, Occupational Structure, Dharma Kumar (editor), The Cambridge Economic History of India, Vol. II, (henceforth referred to as CEHI), 2005, Chapter 6.  
 Irfan Habib, Indian Economy 1858-1914, A People's History of India, Vol.28, Tulika, 2006.  
 Ira Klein, 1984, —When Rains Fail: Famine relief and mortality in British India, IESHR 21.  
 7. Jean Dreze, Famine Prevention in India in Dreze and Sen (eds.) Political Economy of Hunger, WIDER Studies in Development Economics, 1990, pp.13-35.  
 John Hurd, Railways, CEHI, Chapter 8, pp.737-761.  
 Rajat Ray (ed.), Entrepreneurship and Industry in India, 1994.  
 10. AK Bagchi, —Deindustrialization in India in the nineteenth century: Some theoretical implications, Journal of Development Studies, 1976.  
 11. MD Morris, Emergence of an Industrial Labour Force in India, OUP 1965, Chapter 11, Summary and Conclusions.  
 B.R. Tomlison, 1975, India and the British Empire 1880-1935, IESHR, Vol.XII.  
 Dharma Kumar, The Fiscal System, CEHI, Chapter 12.  
 Basudev Chatterjee, Trade, Tariffs and Empire, OUP 1992, Epilogue.  
 Daniel Thorner, Agrarian Prospect in India, 1977.

Course No. ECONA303  
 Course title: Economy of Himachal Pradesh  
 Nature of Course: DSE – 3  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

#### Course Description

This course highlights the basic features, characteristics and developmental issues of the Himachal Pradesh economy.

#### Course Outline

Unit	Title	Credits
		L
I.	Features of Himachal Pradesh Economy Resource endowment - Land, Water, Minerals, Forests, Demographic Trends, Human Development Index. Trends in State income – Structural growth before and after reforms, Sources of State Finances. Targets and Achievements of Plans and current year Budget.	10
II.	Agriculture and Horticulture of Himachal Pradesh Role of Agriculture and Horticulture in State Domestic Product Cropping pattern, Productivity and yield of major crops, Agricultural marketing, Agricultural finance, Marginalization and Agricultural Diversification in Himachal Pradesh. Trends in Fruit and vegetable Production and Productivity. Critical evaluation of government policies on agriculture and horticulture sector.	10
III.	Industrial and Power Sector of Himachal Pradesh Trends and patterns in industrial growth, large scale and small scale industries of Himachal Pradesh, Labour Welfare measures and skill development programmes. Trends in hydro power generation in Himachal Pradesh. Environmental issues related to Industrialisation and power projects in Himachal Pradesh.	10
IV.	Infrastructure and Tourism of Himachal Pradesh Transport: road, rail and air. Banking, Housing, Social Welfare, Education and health programmes of the State Government. Role of Tourism in the economic development of Himachal Pradesh.	10
Suggested Readings: Economic Survey, Various Issues, Department of Economics and Statistics, GoHP. Himachal Pradesh Development Report, Planning Commission. GoI. 3. Sharma, L.R. (1987), The Economy of Himachal Pradesh: Growth and Structure: a Study in Development Performance, Mittal Publishing. 4. Ashok Kumar Tiwari, 2000, Infrastructure and economic development in Himachal Pradesh, Indus Publishing. Y.S. Parmar, Years of Challenge and Growth, Rubicon Publishing House. L.R. Sharma, (2005), Quality of Life in Himalayan Region, Indus Publishing. Mian Goverdhan Singh, History, Culture and Economy of Himachal Pradesh, Minerva Book House.		

Course No. ECONA304  
 Course title: Basic Econometrics  
 Nature of Course: DSE – 4  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:16:00

#### Course Description

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models.

#### Course Outline

Unit	Title	Credits	
		L	P
I.	Elements of Statistical Inference Concepts of population, samples, parameter and statistic; Estimation theory: Point Estimation small sample properties, asymptotic properties, Interval Estimation, Testing of hypotheses: Null v/s Alternative hypothesis, Simple and Composite hypotheses, Procedure for testing of hypotheses; Type I and Type II errors; power of a test; level of significance, Confidence Interval, confidence limits, Degrees of freedom.	12	4
II.	Simple Linear Regression Models Two-variable linear regression model, Assumptions under CLRM, OLS method of estimation, Importance of stochastic error term, Properties of an estimator, Variance and covariance of the OLS estimator, Gauss-Markov theorem.	12	4
III.	Multiple Regression Models k-variable linear regression model, least squares estimators, Properties, R square and Adjusted R square, ANOVA.	10	4
IV.	Regression with Dummy Variables Dummy independent variables-dummy variable trap, Structural change Model, Interaction effects, Seasonal analysis of time series, Piecewise linear regressions.	10	4

#### Suggested Readings:

- Kotsoyiannis, A.. Basic Econometrics. McGraw Hill, New Delhi.  
 Johnston J. Econometrics Methods, McGraw Hill  
 Kmenta J. Elements of Econometrics. University of Michigan Press  
 Maddala G. S. Econometrics Methods and Application. E. Elgar Pub  
 5. Richard J. Larsen and Morris L. Marx, An Introduction to Mathematical Statistics and its Applications, Prentice Hall, 2011.  
 6. D. N. Gujarati and D.C. Porter, Essentials of Econometrics, McGraw Hill, 4th edition, International Edition, 2009.

Course No. ECONA305  
 Course title: Development Economics  
 Nature of Course: DSE – 5  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

#### Course Description

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post- Independence period.

#### Course Outline

Unit	Title	Credits	
		L	T
I.	Economic Development: Meaning and Measurement Meaning of economic development. Distinction between growth, development and sustainable development. Features of underdevelopment. Factors affecting economic development. Economic development and human welfare. Measurement of economic development. Limitations of using per capita income as a measure. Alternative measures: PQLI, HDI, Human Poverty Index, Gender Development Index, Kuznet's inverted „U“ hypothesis.	10	4
II.	Factors in Development and Indian Development Experience Capital formation (Physical and Human); technology; institutions. Indian Development Experience: Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era.	10	4
III.	Theories of Under Development and Development Theories of Under Development: The Vicious Circle of Poverty, Low Level Equilibrium Trap, circular causation and backwash effect, dualism. Theories of Development: classical theories (Smith, Ricardo, Malthus), Marxian theory of capitalist development.	12	4
IV.	Theories of Development Classical theories (Smith, Ricardo, Malthus); Marxian theory of capitalist development. Big push, Balanced vs Unbalanced growth. Balance between agriculture and industry, import substitution vs export promotion, neo-liberal vs interventionist policies.	12	4

#### Suggested Readings:

AK Bagchi - The Political Economy of Development – Orient Longman  
 Todaro and Smith, Economic Development, Pearson Education, New Delhi (recent edition).  
 3. Thirlwall (recent edition), Growth and Development with Special Reference to Developing Countries (recent edition) Palgrave McMillan, New Delhi.  
 Benjamin Higgins (1968), Economic Development, Universal Book Stall, New Delhi.  
 5. Meier, G.M. and J.E. Rauch (2007), Leading Issues in Economic Development, Oxford University Press, New Delhi.

Course No. ECONA306  
 Course title: International Economics  
 Nature of Course: DSE – 6  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course develops a systematic exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. The basic aim of this course is to link international trade relations and its impact on exports of nations.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction to International Trade and Trade Theories Nature and importance of International Trade - Inter-Regional and International Trade. Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs, Heckscher-Ohlin Theory of Trade – Its main Features, Assumptions and Limitations; Leontief Paradox.	12	4
II.	Terms of Trade, Tariff and Economic Integration Terms of Trade: Concept, Measurement and Effects on Nation's Welfare. Trade Policy: Arguments for and against Free Trade and Protection. Tariff and Non-Tariff Barriers: Economic Effects. Economic Integration: Concept and Forms of Regional Integration; Static and Dynamic Effects of Custom Union.	10	4
III.	Balance of Payment BOT, BOP, Current Account, Capital Account, Visible and Invisible, causes and consequences of disequilibrium in Balance of Payments, Methods of correcting the disequilibrium. Devaluation of Currency, Convertibility of Currency: Partial Account and Full Account. Recent trends in balance of Payment in India.	10	4
IV.	Foreign Exchange Rate Exchange Rate - Meaning - Demand and supply of Foreign Exchange; Types of Exchange Rate: Fixed Vs Flexible Exchange Rate. Theories of Foreign Exchange Rate: The Mint-Parity Theory, The Purchasing Power Parity Theory, BOP Theory. Objectives, Functions and Role of IMF, IBRD and WTO.	12	4
Suggested Readings: Salvatore, Dominick, „International Economics“, Wiley India New Delhi. Mannur, H.G. „International Economics“, Vikas Publishing House C.P. Kindleberger „International Economics“, R D Irwin, Homewood 8 <sup>th</sup> Ed. Bo Soderstein and Geoffrey Reed „International Economics“ MacMillan. Francis Cherumilam - „International Economics“ Errol D'Souza, „Macro Economics“, Pearson Education 2008. RBI bulletin, Various issues.			



Course No. ECONA307  
 Course title: Mathematical Economics  
 Nature of Course: DSE – 7  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): : 44:0:16

### Course Description

The main objective of this paper is to train the students to use the techniques of mathematical and statistical analysis, which are commonly applied to understand and analyze economic problems. The emphasis of this paper is on understanding economic concepts with the help of mathematical methods rather than learning mathematics itself. Hence in this paper a student will be initiated into various economic concepts, which are amenable to mathematical treatment.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Introductory Concepts Set and set theories. Equations of Straight Line. Concept of slope and Intercept. Point of intersection of two lines. Application of straight lines in Economics: Demand and supply analysis, determination of equilibrium price and quantity. Arithmetic and Geometric Progressions and their Applications.	11	4
II.	Differentiation Functions: Constant, Polynomial; Relation and Function. Simple Differentiation and economic applications, Marginal utility, marginal revenue and marginal cost, Elasticity. Partial derivatives and economic applications (homogeneous functions and Euler's Theorem, Partial Elasticity). Maxima and Minima of Functions of One and Two Variables; unconstrained Optimization Problem.	11	4
III.	Concept of Matrix and Determinant Matrices: Meaning and types of matrices, Operation of Matrices: Addition, subtraction, multiplication (3x3), division. Determinant, Properties of determinant (without proof). Rank of matrix, trace, adjoint and inverse of a matrix, solution to linear equations - Cramer's rule - Inverse method. Application in economics.	10	4
IV.	Input – Output & Linear Programming Input- Output Model: technological coefficient Matrix (2 sector & 3 Sector Model), Hawkins Simons Conditions. Static Leontief Solution. Linear Programming: Meaning, Basic concepts, Primal and Dual, Nature of feasible, basic and feasible solution, Graphical solution to linear programming problem (only two variables).	12	4

### Suggested Readings:

Allen, R.G.D (1974) Mathematical Analysis for Economics, McMillan Press, London. (reprint edition)  
 Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New Delhi (recent edition).  
 Jeffrey Baldani et al. (2009), An Introduction to Mathematical Economics, Cengage Learning, Delhi.  
 Taro Yamane, Mathematics for Economist, Prentice- Hall of India.

Course No. ECONA308  
 Course title: Economic Systems  
 Nature of Course: DSE – 8  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

#### Course Description

This course seeks to enrich the knowledge of the students regarding working of various economic systems. The course does not require any prior knowledge of economics.

#### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction to Economic Systems Nature, Scope and Importance of the study of Economic Systems: The economy as a system. Definitions of an Economic system. Functions of an economic system. Kinds of Economic systems (Broad features of Primitive Communism, Feudalism, Mercantilism, Capitalism, Socialism, communism and Mixed economy). Mode of Production.	12	4
II.	Capitalism Evolution of Capitalism: Laissez-faire capitalism, Welfare capitalism, Regulated capitalism, Industrial capitalism, Capitalism and Technological Progress, Achievements and failures of capitalism.	11	4
III.	Socialism Evolution of Socialism: Types of Socialism: Utopian Socialism, Marxian Socialism (Theory of Social Change), Market Socialism and Decentralisation.	10	4
IV.	Mixed Economic System Mixed Economies and their Problems: Characteristics – Role of Public Sector in India – Factors Responsible for Privatisation in India – Globalisation and its Impact on Indian Economy.	11	4
Suggested Readings: Desai, S.S.M., (1982), Economic Systems, Himalaya Publishing House, Bombay; Halm, George N., (1968), Economic Systems, Oxford & IBH Publishing Co., New Delhi Sen, K.K., (1994), Comparative Economics Systems, Sultan Chand & Sons, New Delhi Grossman, Gregory, (1978), Economic Systems, Prentice Hall, New Delhi.			

Syllabus: Skill Enhancement Course (SEC)

Year	Skill Enhancement Course (SEC)	Course Code
II	SEC – I	
	SEC 1: Statistical Methods – I	ECONA203
	SEC 2: Economics of Rural Development	ECONA204
	SEC – II	
III	SEC 3: Statistical Methods – II	ECONA205
	SEC 4: Demography	ECONA206
	SEC – III	
	SEC 5: Research Methodology	ECONA309
	SEC 6: Public Finance	ECONA310
	SEC – IV	
	SEC 7: Money and Banking	ECONA311
	SEC 8: Project Work	ECONA312

Course No. ECONA203  
 Course title: Statistical Methods – I  
 Nature of Course: SEC – 1  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course introduces the student to collection and presentation of data. It also discusses how data can be summarized and analysed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use of free statistical software to analyse data.

### Course Outline

Unit	Title	Credits	
		L	T
I.	INTRODUCTION TO STATISTICS Statistics: Meaning, Scope, Nature, Function, Importance and Limitations of statistics. Types of Data: Primary and Secondary data, Univariate and Bivariate data, qualitative and quantitative data; nominal and ordinal data, Cross-section and Time Series. Sources of data: Primary and Secondary data. Diagrammatic and Graphic Presentation of Data	12	4
II.	CENSUS AND SAMPLE Collection of Statistical Data: Census and sample Method, Merits and demerits of census and sampling. Some basic sampling methods: Probability and Non Probability Sampling Methods with merits and demerits. Essentials of sampling, Methods of Selecting Sample, Sampling and Non-Sampling Errors.	11	4
III.	MEASURES OF CENTRAL TENDENCY Objectives of Averaging, Requisites of a Good Average. Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean. Quartiles, Deciles, Percentiles and Limitations of Averages.	10	4
IV.	DISPERSION Meaning and significance of dispersion. Measures of dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation, Variance, Absolute and Relative measures of variation - Lorenz Curve.	11	4

#### Suggested Readings

Gupta S.P., Statistical Methods, Sultan Chand & Sons, New Delhi.  
 Elhance & Elhance, Fundamentals of Statistics, Kitab Mahal, New Delhi.  
 Lind D.A., W.G. Marchal and S.A Wathen., Statistical Techniques in Business and Economics, Tata Mc Graw Hill, New Delhi.  
 Goon A.M., Gupta M.K., Das Gupta.B. (1999): Fundamentals of Statistics, Vol.II, World Press, Calcutta.  
 Spiegel, M. R. (1967): Theory & Problems of Statistics, Schaum's Publishing Series.  
 Croxton F.E, Cowden D.J and Kelin S (1973): Applied General Statistics, Prentice Hall of India.

Course No. ECONA204  
 Course title: Economics of Rural Development  
 Nature of Course: SEC – 2  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

### Course Description

This course is designed to instill in the student a deeper understanding of rural development and issues therein. The student is expected to also achieve an appreciation of institutional efforts aimed at achieving rural development.

### Course Outline

Unit	Title	Credits
		L
I.	Introduction of Rural Economy Characteristics of rural economy, Social Aspects of India's Rural Areas, Barter System, Non-monetized Sector, Economic Characteristics Land and Asset Distribution. Agricultural Income, Vagaries of Monsoon, Agricultural Marketing, Agricultural Price Policy, Farm and Non-farm Income, Marketed and Marketable Surplus.	10
II.	Unemployment and Poverty Rural Unemployment: Types and Magnitude, Agricultural Labour, Marginal Productivity. Agricultural Wages, Wage Fixation: Minimum Wages Act. Rural Employment programmes, Employment Guarantee Act: MGNREGA. Rural Poverty: Nature, Trends, Causes and Consequences. Evaluation of Poverty Alleviation Programmes of Government.	10
III.	Rural Indebtedness Meaning of rural indebtedness, Rural Finance, Causes and magnitude of rural indebtedness, Sources of rural credit, Organized and unorganized, Money lenders, Indigenous Bankers, Co-operatives, Commercial Banks, Regional Rural Banks – NABARD.	10
IV.	Decentralisation, Infrastructure and Rural Marketing Critical evaluation of Panchayati Raj Institutions in rural development. Rural Infrastructure, Rural Industrialization. Agro-based Industries. Cooperative societies, Rural Marketing. Cooperative Marketing. Role of Self Help Groups.	10
Suggested Readings: Gerald, Meir: Leading Issues in Rural Development, Oxford University Press, New Delhi Agarwal A.N., Kundan Lal, Rural Economy of India, Vikas, Delhi, 1990. L.C. Jain, Grass Without Roots, Oxford Publishing House. Patel, K.V, Shan A.C, and Mello L.D, Rural Economics, Himalya, Mumbai, 1984. Singh, Katar.: Rural Development – Principles, Policies and Management, Sage Publications. New Delhi 6. Reddy, Venkata, K.: Agriculture and Rural Development (A Gandhian Perspective), Himalaya Publishing House. Sundaram, Satya, I.: Rural Development, Himalaya Publishing Todaro, Michael P.: Economic Development, Pearson Education.		

Course No. ECONA205  
 Course title: Statistical Methods – II  
 Nature of Course: SEC – 3  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course introduces the student to collection and presentation of data. It also discusses how data can be summarized and analysed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use of free statistical software to analyse data.

### Course Outline

Unit	Title	Credits	
		L	T
I.	CORRELATION ANALYSIS Meaning, Significance of the Study of Correlation. Correlation and Causation. Types of Correlation: Positive, Negative, Partial, Multiple, Linear and Non-Linear. Methods of Studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation. Properties and Interpretation of Correlation Coefficient.	12	4
II.	REGRESSION ANALYSIS Meaning - Difference between Correlation and Regression - Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients. Elementary application of regression in demand, supply, consumption and investment functions.	11	4
III.	ANALYSIS OF TIME SERIES Meaning and Importance of Time Series. Components of Time series, Measurement of Trend: Graphic Method, Semi, Average method, Moving Average Method, Least Square Method. Applications in Economics.	10	4
IV.	INDEX NUMBERS Meaning, Characteristics, Importance and Uses, Classification. Types of Index Numbers: Price, Quantity and Value Index Numbers. Special Purpose Indices: Cost of Living Index, Wholesale Price Index, Consumer Price Index. Problems in construction of Index Numbers.	11	4
Gupta S.P., Statistical Methods, Sultan Chand & Sons, New Delhi. Elhance & Elhance, Fundamentals of Statistics, Kitab Mahal, New Delhi. Lind D.A., W.G. Marchal and S.A Wathen., Statistical Techniques in Business and Economics, Tata Mc Graw Hill, New Delhi. Goon A.M., Gupta M.K., Das Gupta.B. (1999): Fundamentals of Statistics, Vol.II, World Press, Calcutta. Meyer P.L (1970): Introductory Probability and Statistical applications. Addison Wesley. Spiegel, M. R. (1967): Theory & Problems of Statistics, Schaum's Publishing Series. Croxton F.E, Cowden D.J and Kelin S (1973): Applied General Statistics, Prentice Hall of India.			

Course No. ECONA206  
 Course title: Demography  
 Nature of Course: SEC - 4  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

### Course Description

The main objective of this paper is to make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country.

The study of Quantitative and Qualitative composition of population is also required to understand the dynamics of population growth.

### Course Outline

Unit	Title	Credits
		L
I.	Theories of Population Theories of Population: Malthus, Optimum, Marxian, Leibenstein, Becker, Demographic Transition Theory and Optimum Population Theory. Population and Economic Development: Utilization of Resources (Boserup Thesis) Technology and Production of Food, Population and Environment.	10
II.	Components of Population Growth Population Structure and Characteristics: Impact of Population Growth on the Age and Gender Structure. Aging of Population. Fertility: Concepts of Fertility Transition. Measurement of Fertility; Factors affecting fertility and Fertility Differentials in India. Mortality: Components and Measurement. causes of high infant mortality rate in developing countries. Mortality Differentials in India.	10
III.	Migration and Urbanization Migration: Concepts, Types, Measurement, Migration Selectivity, Causes and Consequences (Economic and Demographic) of Migration. Migration in India: Causes and Trends, Migration Differentials in India: Rural-Urban, Male-Female. Urbanization: Concepts, Determinants and Consequences. Trends of Urbanization in India.	10
IV.	Growth and Structure of Indian Population Literacy: Literacy Transition in India, Pattern of Literacy and Literacy Differentials in India. Economic Composition of Indian Population: Work Force Participation and Occupational Structure. Population in Estimation of India: Census, Sampling and Vital Registration Methods. Population Policy in India since Independence. National Family Health Survey of India - merits and demerits. National Rural Health Mission.	10

### Suggested Readings:

1. Asha Bhende and Tara Kanitkar. 2001. Principles of Population Studies. Revised Edition. Himalya Publishing House.
- K.B.Pathak and F.Ram. 1995. Techniques of Demographic Analysis. Himalaya Publishing House. Mumbai
- Bogue, D. J. 1971. Principles of Demography. John Wiley, New York.
- Keyfitz, 1978. Applied Mathematical Demography. John Willy, New York
- Mishra, B. D. An Introduction to the Study of Population. South Asian Publishing, N. Delhi.
6. National Family Health Survey Report (Various editions). International Institute for Population Studies, Mumbai.
- Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
- Bogue, D.J. (1971), Principles of Demography, John Wiley, New York.
- Chenery H. and T.N. Srinivasan (Eds.)(1989), Hand Book of Development Economics, Vol. 1 & 2 Elsevier.
10. Coale, A.J. and E.M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospectus, Princeton University Press, Princeton.
- Census of India: Various Issues.

Course No. ECONA309  
 Course title: Research Methodology  
 Nature of Course: SEC – 5  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

#### Course Description

This course is designed to rigorously train the students in the concepts, methodology and reasoning involved in analyzing economic behavior of firms and markets, in general, in both static and partial equilibrium frameworks.

#### Course Outline

Unit	Title	Credits
		L
I.	Introduction to Research Methodology Research: concept, meaning, significance, types, approaches; Criteria of good research; Research problem: selection, need, techniques involved; Reviewing and reporting Literature, Research Design: Meaning, need and Types. Data Collection Techniques: Questionnaire Method: Types, Format and Pre- Testing of Questionnaires. Techniques for Increasing Response of Respondents. Interview Method: Types, Process and Rules of Interviews. Factors affecting interview. Interviewer's Bias. Selection and Training of Interviewers. Observation Method: Types of Observations.	10
II.	Measurement and Scaling Techniques Measurement Scales: Different types of scales - nominal, ordinal, ratio and interval. Accuracy of Measurement and Testing of Reliability. Increasing Reliability. Sampling Techniques: Probability Vs Non-probability sampling methods (Merits, Demerits and Applications).	10
III.	Testing of Hypotheses: Hypothesis: Meaning, and formulation. Types of hypothesis – Procedure for testing hypothesis -Type-I and Type-II errors. One tail, 2-tail test. Parametric Tests: Applications of t, z, and F-test Statistics. Non-Parametric Tests: Application of Chi-Square.	10
IV.	Data Preparation, Analysis and Report Writing Process of data analysis - Editing, coding, tabulation, diagrams. Use of computers: coding, data tabulation and graphic presentation of the data. Report writing: Significance of report writing. Different steps in writing the report - Mechanics of writing a research report. Ethics in research. Presentation of Research Report.	10

#### Suggested Readings:

Goode and Hatt, Research Methodology, Prentice Hall Publications, 1959.  
 Kothari, C.R. Research Methodology, Methods and Techniques, New Age International Publisher.  
 3. Donald R. Cooper and Pamela S. Schindler, Business Research methods, 9th Edition, Tata McGrawHill, 2006.  
 Ghosh, B.N. Research Methodology, Himalayan Publishing House, New Delhi.  
 Alan Bryman and Emma Bell, Business Research methods, Oxford University Press, New Delhi, 2008.  
 Uma Sekaran, Research methods for Business, Wiley India, New Delhi, 2006.  
 7. K. N. Krishnaswamy, Appa Iyer Sivakumar and M. Mathirajan, Management Research Methodology, Pearson Education, New Delhi, 2006.  
 Sadhu A.N. and A. Singh, Research Methodology in Social Sciences, Himalaya Publishing House.  
 Gopal, M.H., Research Methodology in Social Sciences, Asia Publishing House, New Delhi.



Course No. ECONA310  
 Course title: Public Finance  
 Nature of Course: SEC – 6  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course is a non-technical overview of government finances with special reference to India. The course does not require any prior knowledge of economics. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralization in India. The course will be useful for students aiming towards

careers in the government sector, policy analysis and business.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Public Finance: An Introduction Meaning and definition of public finance – Public finance and private finance – the principle of Maximum Social advantage. Market Failure; Private Goods, Public Goods and Merit Goods. Overview of Different Role of Government: Allocation, Stabilization and Distribution.	10	4
II.	Taxation Revenue-Meaning, source, tax and non-tax revenue and importance – Canons of Taxation. Types of tax: Direct and indirect taxes, Progressive, proportional and regressive taxation, single and multiple taxation. Current Issues of India's Tax System. Effects of taxation. Taxable Capacity: Determinants of taxable capacity. Shifting and incidence of taxes. Distinction between impact and incidence of taxation. Factors affecting incidence of tax. Tax evasion.	12	4
III.	Public Expenditure and Public Debt Public Expenditure: classification of public expenditure. Causes and growth of public expenditure. Effects of public expenditure on production, employment and distribution. Growth of public expenditure. Public Debt: Meaning and classification. Need for public borrowing – Effects of public debt on production, consumption and distribution. Burden of public debt. Redemption of public debt. Growth of public debt.	11	4
IV.	Public Finance in India Indian Fiscal Policy, Budget: Concepts, instruments and objectives Types of Government Budgets: Revenue Account, Capital Account and Different Concepts of Budgetary Deficits in the Indian Context. Economic and Functional Classification of Central Govt. Budgets. Fiscal Federalism in India; Center State Financial Relations and Evaluation of Previous and Features of Latest Finance Commission. State and Local Finances.	11	4

### Suggested Readings:

Harvey Rosen, (2008) Public Finance, McGraw Hill, New York.

Bernard P. Harbar, Modern Public Finance (Richard Irvin Inc)

3. Musgrave and Musgrave (1984), Public Finance in Theory and Practice, McGraw Hill, New Delhi (reprint edition)

Joseph Stiglitz, Economics of Public sector, Norton, New York (recent edition).

Course No. ECONA311  
 Course title: Money and Banking  
 Nature of Course: SEC – 7  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): ): 44:0:16

### Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered. The course does not require any prior knowledge of economics.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Money: Theory and Approaches Money: Meaning, functions and classification, Role of money in capitalist, socialist and mixed economies, Monetary standards – Metallic and paper standards, Principles and System of Note Issue. Qualities of Good Monetary Standard. Grasham's law. Measures of Money Supply.	10	4
II.	Financial Markets: Money Market and Capital Market Financial markets and institutions; Money and capital markets: organization, structure, importance and role in economic development of India; financial crises.	10	4
III.	Commercial Banking Banking: Meaning and types of Banks. Indian banking system: Changing role and structure; banking sector reforms. Functions of Commercial banks. Process of credit creation. Purpose and limitations. Commercial banking in India. Nationalization of commercial banks in India. Recent reforms in banking sector in India.	12	4
IV.	Central Banking and Monetary Policy Central Bank: Functions of Central Bank. Quantitative and qualitative methods of credit control. Role and functions of the Reserve Bank of India. Monetary Policy: goals, targets, indicators and instruments of monetary control; success and limitation of monetary policy in India.	12	4
Suggested Readings: F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009. L. M. Bhole and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011. M. Y. Khan, Indian Financial System, Tata McGraw Hill, 7th edition, 2011. Various latest issues of R.B.I. Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.			

Course No. ECONA312  
 Course title: Project Work  
 Nature of Course: SEC – 8  
 Number of credits: 4  
 Number of Lectures (L): Practical (P): Tutorial (T): 16:28:16

### Course Description

Project Work is one of the culmination point of the learning process, which will put to test the acquired ability of the candidate to independently take the charge of the project and use the understanding of economics developed in previous years to evaluate/analyze economic issues.

### Course Outline

The project must relate to economic issues/problems. The Project report shall consist of following components:

The Project will involve an extended, independent investigation of a topic and preparation of a dissertation. The chosen research area must be of a nature that incorporates an in depth exploration of economic concepts, theories and issues so as to produce a rigorous dissertation. Primary data based projects are encouraged.

**Dissertations that comprise purely descriptive material will not be acceptable.**

The project report must contain between 50-60 A4 size pages printed on both sides. Font must be “Times New Roman”, font size 16 (heading), 14 (Sub-Headings) and 12 (text). Line spacing 1.5 inches, page indent Left 1.5 inches, Right, Top and Bottom 1 inch. Note: Font size of tables may vary as per requirement

### Structure of the Project Report

Structure is important because it dictates the topics discussed and the order in which they are organized. An ideal Project Report should comprise the following sequence:

Cover Page	Review of literature
Title Page	Research Design/ Methodology
Acknowledgements	Results and Analysis
Table of Contents	Discussion of implications
List of Tables &	14. Conclusions and/or Recommendations for further study
LIST OF Figures/Illustrations	References
Abbreviations (if any)	Appendices (if any)
Abstract	
Introduction	

Evaluation of the project (for 70% marks) will be done by external examiner based on project report and presentation along with continuous evaluation by internal examiner for (30% marks).

NOTE: The 70:30 marking ratio shall be as follows: 30 marks for Internal assessment and remaining 70 marks (EYE) to be distributed as 50 marks for Dissertation + 20 marks for Viva Voce. Therefore  $30 + (50 + 20) = 100$  marks.

For ICDEOL students there shall be no internal assessment and the marks secured out of 70 will be rationalized using the multiplier as will be done for other theory papers (refer to course evaluation mentioned in the section titled COURSE EVALUATION above).

Syllabus: Generic Elective Courses (GEC) (Elective Courses for an Unrelated Discipline/Subject)

Year	Generic Elective Course (GEC)	Course Code
III	GEC – I	
	GEC 1: Economy of Himachal Pradesh Indian Economy	ECONA313
	GEC – II (any one of the following):	
	GEC 2: Indian Economy	ECONA314
	GEC 3: Development Economics	ECONA315
	GEC 4: Environmental Economics	ECONA316

Course No. ECONA313  
 Course title: Economy of Himachal Pradesh  
 Nature of Course: GEC – 1  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 40:00:00

#### Course Description

This course highlights the basic features, characteristics and developmental issues of the Himachal Pradesh economy.

#### Course Outline

Unit	Title	Credits
		L
I.	Features of Himachal Pradesh Economy Resource endowment - Land, Water, Minerals, Forests, Demographic Trends, Human Development Index. Trends in State income – Structural growth before and after reforms, Sources of State Finances. Targets and Achievements of Plans and current year Budget.	10
II.	Agriculture and Horticulture of Himachal Pradesh Role of Agriculture and Horticulture in State Domestic Product Cropping pattern, Productivity and yield of major crops, Agricultural marketing, Agricultural finance, Marginalization and Agricultural Diversification in Himachal Pradesh. Trends in Fruit and vegetable Production and Productivity. Critical evaluation of government policies on agriculture and horticulture sector.	10
III.	Industrial and Power Sector of Himachal Pradesh Trends and patterns in industrial growth, large scale and small scale industries of Himachal Pradesh, Labour Welfare measures and skill development programmes. Trends in hydro power generation in Himachal Pradesh. Environmental issues related to Industrialisation and power projects in Himachal Pradesh.	10
IV.	Infrastructure and Tourism of Himachal Pradesh Transport: road, rail and air. Banking, Housing, Social Welfare, Education and health programmes of the State Government. Role of Tourism in the economic development of Himachal Pradesh.	10
Suggested Readings: Economic Survey, Various Issues, Department of Economics and Statistics, GoHP. Himachal Pradesh Development Report, Planning Commission. GoI. 3. Sharma, L.R. (1987), The Economy of Himachal Pradesh: Growth and Structure: a Study in Development Performance, Mittal Publishing. 4. Ashok Kumar Tiwari, 2000, Infrastructure and economic development in Himachal Pradesh, Indus Publishing. Y.S. Parmar, Years of Challenge and Growth, Rubicon Publishing House. L.R. Sharma, (2005), Quality of Life in Himalayan Region, Indus Publishing. Mian Goverdhan Singh, History, Culture and Economy of Himachal Pradesh, Minerva Book House.		

Course No. ECONA314  
 Course title: Indian Economy  
 Nature of Course: GEC – 2  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:00:16

#### Course Description

This course is designed to enable students to have in-depth knowledge of various problems and issues faced by Indian Economy. The course will concentrate on both the achievements and the issues of the economy.

#### Course Outline

Unit	Title	Credits
		L
I.	Understanding the Indian Economy Impact of colonization on Indian Economy. Post-Independence Economy; Planning for the economy – objectives, strategy and achievements (Plan wise details to be excluded). State of the Economy in 1991. Features of the Economic Reforms and Structural Adjustment Programme: Liberalization, Privatization and Globalization. Appraisal of Economic Reform Programme. Relevance of planning in the context of globalization, Objectives and Functions of NITI Aayog.	12
II.	Problems Faced by Indian Economy Poverty: definition and estimate, poverty line, poverty alleviation programs. Inequality: income and regional inequality – causes and corrective measures. Unemployment: concepts, measurement, types, causes and remedies. Food problem and food security, Role of Public Distribution System (PDS) in India. Direct Cash Transfer Scheme of Government.	10
III.	Agriculture in India Pattern of Growth of Indian Agriculture since 1950; Land Reforms, Green Revolution, Agricultural Production, Productivity. Factors Influencing Agricultural Development: Marginalisation, Labour, Marketing and Finance. Issues and challenges in agricultural credit and subsidy. Deceleration in the 1990s – Causes and Future Challenges. Economic Liberalization and Emerging Trends in Indian Agriculture. New Agricultural Policy (In the context of liberalization.)	12
IV.	Industries in India Role of Industry in Economic Development. Pattern of Industrialization, Industrial development during the plan period. Role, Growth and Problems of Cottage, small scale and Medium scale industries in India. Industrial Policy: 1948, 1956 and 1991 and Recent Developments. Impact of New Industrial Policy on Industrial Sector.	10

#### Suggested Readings:

U. Kapila (2010): Indian economy since Independence. Academic Foundation, New Delhi  
 S. Chakraborty ( ): Development Planning: The Indian Experience. Clarendon Press.  
 Jalan Bimal 1992, The Indian Economy - Problems and Prospects.  
 A. Panagariya (2008): India: the Emerging Giant, Oxford University Press, New York  
 5. S. Acharya and R. Mohan (Eds.) (2010): India's Economy: Performance and Challenges, Oxford University Press, New Delhi.  
 6. I. J. Ahluwalia and I. M. D. Little (Eds.) (1998): India's Economic Reforms and Development: Essays for Manmohan Singh, Oxford University Press, New Delhi.

Course No. ECONA315  
 Course title: Development Economics  
 Nature of Course: GEC – 3  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

### Course Description

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post- Independence period.

### Course Outline

Unit	Title	Credits	
		L	T
I.	Economic Development: Meaning and Measurement Meaning of economic development. Distinction between growth, development and sustainable development. Features of underdevelopment. Factors affecting economic development. Economic development and human welfare. Measurement of economic development. Limitations of using per capita income as a measure. Alternative measures: PQLI, HDI, Human Poverty Index, Gender Development Index, Kuznet's inverted „U“ hypothesis.	10	4
II.	Factors in Development and Indian Development Experience Capital formation (Physical and Human); technology; institutions. Indian Development Experience: Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era.	10	4
III.	Theories of Under Development and Development Theories of Under Development: The Vicious Circle of Poverty, Low Level Equilibrium Trap, circular causation and backwash effect, dualism. Theories of Development: classical theories (Smith, Ricardo, Malthus), Marxian theory of capitalist development.	12	4
IV.	Theories of Development Classical theories (Smith, Ricardo, Malthus); Marxian theory of capitalist development. Big push, Balanced vs Unbalanced growth. Balance between agriculture and industry, import substitution vs export promotion, neo-liberal vs interventionist policies.	12	4

### Suggested Readings:

AK Bagchi - The Political Economy of Development – Orient Longman  
 Todaro and Smith, Economic Development, Pearson Education, New Delhi (recent edition).  
 3. Thirlwall (recent edition), Growth and Development with Special Reference to Developing Countries (recent edition) Palgrave McMillan, New Delhi.  
 Benjamin Higgins (1968), Economic Development, Universal Book Stall, New Delhi.  
 5. Meier, G.M. and J.E. Rauch (2007), Leading Issues in Economic Development, Oxford University Press, New Delhi.

Course No. ECONA316  
 Course title: Environmental Economics  
 Nature of Course: GEC – 4  
 Number of credits: 6  
 Number of Lectures (L): Practical (P): Tutorial (T): 44:0:16

#### Course Description

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. The course does not require any prior knowledge of economics. The course will be useful for students aiming towards careers in the government sector, NGOs, policy analysis, business and journalism.

#### Course Outline

Unit	Title	Credits	
		L	T
I.	Introduction to Environmental Economics Introduction; The economy and the environment: inter-linkages; First two laws of thermodynamics. Environment as a necessity and luxury – population and environment linkage. Economic Efficiency and Market Failures: Environment quality as a public good, Private and Social cost, Pareto optimality and market failure in the presence of externalities; Economic Efficiency, Deviation from Efficiency; Common property	11	4
II.	Population, Pollution and Environment Theory of Demographic Transition; Economics of Pollution: Damage functions and abatement cost functions; Marginal decisions; Optimal level of pollution; Market solutions and government actions; Economic incentives and least-cost solutions; Command and control policies. Environmental issues in developed and developing countries; Use of Resources; Environmental Protection laws; Environmental Education and its merits.	12	4
III.	Valuing the Environment Economic valuation of environmental goods; Types of environmental values; Monetary valuation techniques; Non-monetary valuation techniques; Comparing methodologies. Cost-Benefit Analysis and the Environment: The theory of cost-benefit analysis; Idea of discounting and choice of discount rate; Framework for cost-benefit analysis; Discounting and future generations.	10	4
IV.	Economic Growth and Sustainable Development Economic growth, development and sustainable development; The environmental Kuznets curve; Economics of sustainable development. International Environmental Issues: Economics of climate change; Trade and the environment. Indian environment policies and performance, pollution control boards and their functions.	11	4

#### Suggested Readings:

Kolstad, C.D. (2007), Environmental Economics, Oxford University Press, New Delhi.  
 Nick Hanley et al (2007), Environmental Economics: Theory and Practice, Palgrave MacMillan.  
 Katar Singh and Anil Sisodia (2007), Environmental Economics: Theory and Application, Sage Publications, New Delhi.  
 Karpagam (2008), Environmental Economics, Sterling Publishers. New Delhi  
 R.K. Lekhi et al. (2008), Development and Environmental Economics, Kalyani Publishers, Ludhiana.  
 S.P. Misra & S.N. Pandey (2008), Essential Environmental Studies, Ane Books, New Delhi.  
 7. Maureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey,|| Journal of Economic Literature, Volume 30:675-740.  
 Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd edition, 2010.



## (5) HISTORY

### B. A. FIRST YEAR (DSC I)

#### DSC-1A: HIST (A) 101

##### History of India from the Earliest Times up to c. 300 CE

- I. a. Sources and interpretation  
b. Changing interpretations of early Indian history  
c. Survey of Palaeolithic, Mesolithic and Neolithic cultures
- II. a. Harappan Civilization: origin, extent; urban features—town planning, economy, society and religion; decline, Chalcolithic culture  
b. Vedic culture: polity, economy, society and religion  
c. Beginning of the iron age and Megalithic culture
- III. a. Emergence of Mahajanapadas (territorial states); rājyas and gaṇas/saṅghas  
b. Magadha expansion  
c. Buddhism and Jainism: doctrines; spread
- IV. a. The Mauryan empire: state and administration, economy, Ashoka's Dhamma, art and architecture  
b. Post Mauryan Age with special reference to Sunga, Satavahanas and Kushanas: polity, economy, society, art  
c. Sangam Age: polity, economy and society

### B. A. FIRST YEAR (DSC II)

#### DSC-1B: HIST (A) 102

##### History of India, c. 300 - 1206

- I. a. The Guptas and Vakatakas: state and administration  
b. Economy, society, religion, art, literature, science and technology during Gupta period
- II. a. Towards the early medieval: changes in society, polity, economy and culture with special reference to Pallavas and Chalukyas  
b. Evolution of political structures of the Rastrakutas, Palas and Pratiharas; economic; religious and cultural developments
- III. a. Harsha and his times: Harsha's kingdom, administration, Buddhism & Nalanda  
b. The Cholas: state and administration, economy and culture
- IV. a. Emergence of Rajput states in Northern India; socio-economic foundations  
b. The Arabs; the Ghaznavids in the Northwest; establishment of the Delhi Sultanate; overland and maritime trade

### B. A. SECOND YEAR (DSC III)

#### DSC-1C: HIST (A) 203

##### History of India, c. 1206-1707

- I. a. Foundation, expansion and consolidation of the Sultanate of Delhi c.13<sup>th</sup> to c.15<sup>th</sup> century: Expansion; iqta system; administrative & economic reforms  
b. Regional political formations: Vijayanagara and Bahamani Kingdoms
- II. a. Afghan State: Administration of Sher Shah & revenue reforms  
b. Religious movement: Bhakti & Sufi  
c. Nathpanthis, Popular Monotheism and Vaishnavism in north India  
d. Main sufi silsilahs in India: Chishti and Suhrawardi
- III. a. Foundation, expansion and consolidation of the Mughal state, c.16<sup>th</sup> to 17<sup>th</sup> century: expansion and consolidation; Mansabdari and Jagirdari; imperial policy: assessment of Aurangzeb's policies  
b. Art and Architecture in Medieval India: Qutb complex; Vijayanagara (Hampi); Fatehpur Sikri; Mughal Miniature painting
- IV. a. 17<sup>th</sup> century transitions: Marathas; Sikhs

- b. Disintegration and decline of the Mughal Empire: different theories of Mughal decline (Hindu reaction, Great Firm Theory, agrarian crisis, jagirdari crisis, region-centric approach, cultural failure and others)

#### B. A. SECOND YEAR (DSC IV)

##### DSC-1D: HIST (A) 204

##### History of India, c. 1707-1950

- I
  - a. India in the 18th century: society, economy, polity and culture
  - b. Union and consolidation of British power with special reference to Mysore and Maratha
- II
  - a. Making of a colonial economy:
    - [i] Land revenue settlements: Permanent, Ryotwari and Mahalwari
    - [ii] De-industrialisation; commercialisation of agriculture
  - b. Socio-religious reform movements in the 19<sup>th</sup> century and after:
    - Raja Ram Mohan Roy and Brahma Samaj; Dayanand and Arya Samaj; Ishwar Chandra Vidyasagar and widow remarriage; Jyotiba Phule and Satya Sadhokak Samaj; Syed Ahmad Khan and Aligarh movement
    - [ii] Caste questions: Phule, Narayana Guru and Ambedkar
- III
  - a. Popular resistance:
    - [i] The Uprising of 1857
    - Peasant resistance to colonial rule: Santhal Uprising (1856); Indigo Rebellion (1860); Pabna Agrarian League (1873); Deccan Riots (1875)
  - b. Nationalist politics, 1858-1947:
    - [i] Foundation of the Indian National Congress
    - [ii] Moderates & Radicals in the Indian national movement
    - Revolutionary movement for Indian Independence: ideas and contributions of Bhagat Singh and Veer Savarkar
    - Mahatma Gandhi and mass nationalism: Gandhian thought, techniques and movements
- IV
  - a. Growth of communal politics and the partition of India; resettlement of refugees and issue with Pakistan; integration of the Indian states: Hyderabad, Junagarh and Kashmir
  - b. Independence, Indian Constitution & its main features; and the establishment of the republic

B. A. THIRD YEAR (DSE I)

DSE-1A: HIST (A) 305  
Modern and Contemporary World History I: 1871-1919

Unit I

Introductory

- a. Modern & Contemporary History: main characteristics
- b. Emergence of Italy and Germany as unified nations
- c. European hegemony and inter-imperialistic rivalries, conflicts within Europe
- d. Alliance formation, social tension and socialist movements

Unit II

The Emergence of USA after the Civil War

- a. The emergence of the USA after the Civil War
- b. Japan's Emergence as a World Power: Modernization and economic progress under the Meiji restoration, Sino-Japanese War
- c. Nationalist movements in Asia: Rise of Kuomintang and the fall of the Manchus and its aftermath
- d. Ottoman Empire and the Arab World: Accession of Sultan Abdul Hamid and the Young Ottoman Movement, Young Turk revolution of 1905

Unit III

The End of the Czarist Regime in Russia

- a. Russo-Japanese War of 1904-5 and its consequences
- b. Revolutions of 1905
- c. Towards Bolshevik Revolution: February-March Revolution
- d. The October Revolution of 1917 and the socio-economic foundation of a socialist state

Unit IV

The First World War and its Aftermath

- a. New grouping of European States
- b. Anglo-German Rivalry
- c. Causes, events and results of the war
- d. The war settlements: Economic and social consequences
- e.

B. A. THIRD YEAR (DSE II)

DSE-1A: HIST (A) 306  
Issues in World History-I (The Twentieth Century)

Unit I

Capitalism, Imperialism and the Political Consequences

- a. Industrialization under capitalism, imperialist expansion of Europe and the US
- b. The concept of modernity and its global implications
- c. World War I: causes, course, consequences in Europe and in the world
- d. Paris Peace settlement and associated treaties, their political consequences

Unit II

The Communist Alternative

- a. Russian Revolution 1917: its origins, ideological assumptions and course
- b. Consequences of the Russian revolution for the internal political developments in the Soviet Union
- c. Impact of the Russian revolution in Europe
- d. Long term implications of the Russian Revolution on China and the non-Western world

Unit III

Economic Trends in the Inter-War Period

- a. The period of post-war economic recovery and instability in Europe till 1929
- b. Great Depression in USA: its causes and impact on industrialized countries
- c. Global impact of the depression: colonial economies and agriculture
- d. The Soviet experience till 1941: the economic effects of state planning

Unit IV

#### Contesting Political Ideologies before World War II

- a. Fascist ideology and its contestation with liberalism and communism
- b. Social conditions in Europe during the inter-war period and experiments with parliamentary democracy
- c. Rise of Fascism in Italy and Germany
- d. World War II: causes, course and the war's short and long term effects

#### B. A. THIRD YEAR (DSE III)

DSE-1B: HIST (A) 307

Modern and Contemporary World History II: 1919-1992

#### Unit I

##### From the Peace Settlement to 1939

- a. Versailles to Locarno treaties, their political consequences
- b. The League of Nations
- c. USA and USSR
- d. Era of the Great Depression of 1929

#### Unit II

##### The End of Peace

- a. The Second World War: Origins
- b. Wartime diplomacy and the defeat of the totalitarian state
- c. Nationalist movements and decolonization
- d. The emergence of new world order: UNO, aims and objectives

#### Unit III

##### The World since 1949

- a. Towards Chinese revolution of 1949
- b. The Cold War and its ideological and political origins
- c. Impact of the Cold War: Europe, Korea, Vietnam, Cuban crisis
- d. Military alliances: NATO, SEATO, CENTO, Warsaw Pact

#### Unit IV

##### Social Conditions and Issues after the Post-Colonial World

- a. Concept of globalization
- b. Feminist and ecological movements
- c. The question of human rights
- d. Non-Aligned movement: origin, agenda and achievements

#### B. A. THIRD YEAR (DSE IV)

DSE-1B: HIST (A) 308

Issues in World History-II (The Twentieth Century)

#### Unit I

##### Decolonization and Nationalism

- a. Changing relationship between western powers and their colonies
- b. The colonial struggle against economic exploitation
- c. Major nationalist movements in South East Asia and Middle East
- d. The Cold War: ideologies and global consequences, Korea, Cuba, Vietnam, and the end of the USSR

#### Unit II

##### Economic Conditions and Issues in the Post-Colonial World

- a. Europe in the immediate post-war period and the process of economic reconstruction
- b. Global economic growth and disparities between the developed and the Third world
- c. Nature and impact of the technological revolution on the global economy
- d. International character of finance, labour and the interlinking of national economies

#### Unit III

Social Conditions and Issues in the Post-Colonial World

- a. Student Movement of 1968-69: causes, character and consequences
- b. Feminist and ecological movements: divergent views from the North and South
- c. Iranian Revolution: social origins and its relationship with the question of modernity
- d. The question of human rights, its political context with the global south

Unit IV

Modernity and Socio-Economic Transformation

- a. Global decline of peasant societies and change in agrarian production
- b. The urbanization process and its social implications
- c. Expansion of education and its impact on national economies
- d. Automation of industry and the decline of industrial labour

B. A. THIRD YEAR (GE I)

GE-1: HIST (A) 309

Women in Indian History

- I. a. Theory and concepts: Understanding gender and patriarchy  
b. Historiography: women's history in India
- II. Women in ancient India
  - a. Brahmanical and non-Brahmanical patriarchy in India
  - b. Women and property
- III. Women in medieval India
  - a. Political processes, the harem and household
  - b. Women and literary activities; Imperial women: Razia Sultan, Nur Jahan, Jahanara
- IV. Women in Modern India
  - a. Social reforms and women in the 19<sup>th</sup> century: social base, issues, achievements and limitations
  - b. Women and Indian Nationalism: Gandhi and women's participation; programmes; limitations and constraints

B. A. THIRD YEAR (GE II)

GE-1: HIST (A) 310

Social-Religious Reform Movements in India (19<sup>th</sup> and 20<sup>th</sup> Centuries)

- I. Background and Causes of the Reform Movement      Hindu reform movements—nature and significance: Brahmo Samaj, Prathana Samaj, Arya Samaj, Ramakrishna movement & Theosophical movement
- II. Muslim reform movements—nature and significance: Wahabi/ Waliullah, Faraizi, Ahamadiya, Aligarh & Deoband School
- III. Women and social reforms: prohibition of sati, infanticide, child marriage, widow remarriage, woman education and legislative measures for women
- IV. Caste system: movements against caste system & ideas of social reforms and reconstruction with reference to Jyotiba Phule, Narayan Guru, Gandhi and Ambedkar

B. A. THIRD YEAR (GE III)

GE-2: HIST (A) 311

Environmental Issues in India

- I. Social perspectives on environment
  - a. Studying human-nature interactions
  - b. Recent trends; debating anthropocene
- II. Geography, Ecology and Cultures in Pre-Colonial India
  - a. Land, Forests, Pastures,
  - b. Monsoon, river systems and oceans
- III. Colonialism and Environment
  - a. New Regimes of Land, Forests, Water and Irrigation;
  - b. Resistance to New Regimes: Peasants, Tribal and Pastoralists
- IV. Independent India and environment:

- a. Forests, Human-wildlife conflict, threat to Bio-diversity
- b. Water, Dams, Displacement, Pollution, Degradation, Green Revolution and Mitigating hunger

B. A. THIRD YEAR (GE IV)

GE-2: HIST (A) 312

History of Himachal Pradesh, 1815-1972

Unit I

Political conditions of the region during Gorkh invasion

- a. Introduction: Himachal Hill States in the early Nineteenth Century
- b. The Gorkha invasion
- c. Process of repulsion: British and the Gorkhas
- d. Importance of the Treaty of Segauli
- e. Consequences of the Anglo-Gorkha War of 1814-15

Unit II

The establishment of the British Paramountcy

- a. Himachal under the British: reorganization of the 'Hill States'
- b. Grant of sanads and territorial aggression
- c. British political and administrative policies
- d. The process of penetration and mechanisms of control;
- e. Resistance to British rule: struggle of Wazir Ram Singh Pathania and an analysis of his trial

Unit III

The beginning of the uneasy calm

- a. 1857 and Himachal
- b. Popular protest and social reform movements in Himachal Pradesh from 1839-1948; agitations against the British and the hill rajas,
- c. The question of begar, beth, dhoom, jugga, reet and barada-faroshi
- d. Praja Mandal movements
- e. Dhami Goli Kand, Pajhota Andolan and Suket Satyagraha

Unit IV

The Idea of Himachal Pradesh

- a. The birth of modern Himachal, 1948-71: party politics
- b. Dawn of democratic institutions: chief commissioner's province, part 'C' state and union territory (legislative assembly–territorial council–legislative assembly)
- c. Contribution of Dr. Y.S. Parmar in the development of hill areas
- d. Socio-economic change in modern Himachal
- e. Land reforms in Himachal Pradesh: abolition of big landed estates and land reforms act, 1953 & ceiling of land holding bill, 1972

B. A. SECOND YEAR (SEC I)

SEC-1: HIST (A) 213

Historical Tourism

- I. Defining tourism & heritage  
Art and architecture in India: an overview
- II. Understanding built heritage  
Temple architecture: **Kandariya Mahadeva temple Khajuraho**  
Stupa architecture: Sanchi  
Indo-Persian architecture: Taj Mahal, Agra; Red Fort, Delhi
- III. Temple architectures in Himachal Pradesh as tourist attractions: A study of Chamba Kangra and Mandi  
Colonial architecture: Shimla
- IV. **T**ourism in Himachal Pradesh  
Popular **tourist destinations: Shimla**, Kullu-Manali & beyond

A visit/field work/survey of/to a heritage/ historical/ **popular tourist destination**/ socio-cultural importance site (the best nearby) is part of this course. Total w**eightage** & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

B. A. SECOND YEAR (SEC II)

SEC-1: HIST (A) 214

Understanding Heritage

- I. Defining heritage: meaning of antiquity, archaeological site, tangible heritage, intangible heritage and art treasure
  - II. Evolution of heritage legislation and the institutional framework
    - a. Conventions and Acts: national and international
    - b. Heritage-related government departments, museums, regulatory bodies
    - c. Conservation initiatives
  - III. Challenges for tangible and intangible heritage  
Antiquity smuggling, conflict (to be examined through specific case studies)
  - IV. Heritage and travel
    - a. Visiting heritage sites: A study of **Vaidyanath temple (Bajinath)**; **Laxmi Narayan temple (Chamba)**; **Hadimba temple (Kulu)** and **Tabo monastery (Lahaul and Spiti)**
    - b. The relationship between cultural heritage, landscape and travel; recent trends
- A visit/field work/survey of/to a Himachal Pradesh's art and culture heritage (the best nearby) is part of this course. Total w**eightage** & distribution of marks for evaluation of the field report/survey would be as par with tutorial/home assignments.

B. A. SECOND YEAR (SEC III)

SEC-2: HIST (A) 215

An Introduction to Archaeology

- I. Archaeology in India: origins and development  
Managing archaeological evidences: documentation, codification, classification and analysis; findings and publications
- II. Discovering human experience through archaeology: environment, technology, subsistence, society, trade and ways of thinking
- III. Numismatic & **Epigraphic sources**: significance and limitation  
A **c**ase study of the coins of **Audumbaras** and Kunindas **(from the region of Himachal Pradesh)**
- IV. Method of surveying and techniques of excavation  
A study of the **Harappan site of Kalibangan** and **Rakhigarhi**  
**A study/survey of the archaeology sites of Himachal Pradesh: a c**ase study of Kot Kangra/or Nagarkot (Kangra)

A visit/field work/survey of/to a site/museum (the best nearby) is part of this course. Total w**eightage** & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

B. A. SECOND YEAR (SEC IV)

SEC-2: HIST (A) 216

Crafts and Artisans: Living Traditions

- I. Stone carvings: traditional stone carvers, architects and sculptors□a study of Mahabalipuram temple (Tamil Nadu), Dilwara temple (Rajasthan) and Masrur temple (Kangra)  
Painting: Madhubani and Kangra
- II. Metal crafts: Bidari, Dokra, Chola bronzes; ivory, gems and jewellery
- III. Woodwork, weaving and basketry: Northeastern India
- IV. Textile and carpet weaving: Banarasi, Patola, Bandhni, Kanjeevaram and Bhadohi  
A visit/field work/survey of/to a craft exhibition/ museum/art gallery/ cottage industry (the best nearby) is part of this course. Total w**eightage** & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

B. A. THIRD YEAR (SEC V)

SEC-3: HIST (A) 317

Indian History and Culture

- I. Environment; Culture, Tradition & Practices: Historical overview Oral & codified information on medicinal Plants

- Water & Water Bodies
- II. Urbanization and Urbanism:
  - Issues of settlements & Landscapes
  - Social differentiations
  - Communication networks
- III. Social inequality and Gender:
  - Status within Households: An overview
  - Present context
  - Issues of Violence
  - Employment, distribution of resources
- IV. Cultural Heritage:
  - Main components
  - Built Heritage
  - Fairs & Festivals

A visit/field work/survey of/to an exhibition /water bodies/ local fairs & festivals/ is part of this course. Total weightage & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

#### B. A. THIRD YEAR (SEC VII)

##### SEC-3: HIST (A) 318 Museums and Archives

- I. Defining museology and archives, types of archives and museums, understanding the traditions of preservation in India, collection policies, ethics and procedures
    - Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others.
    - Documentation: accessioning, indexing, cataloguing, digital documentation and deaccessioning
    - Preservation: curatorial care, preventive conservation, chemical preservation and restoration
  - II. History and development (of the setting up) of museums (with special reference to India) and significant collections therein: A study of Indian Museum, Kolkata; National Museum, New Delhi; State Museum, Shimla and Bhuri Singh Museum, Chamba
  - III. History and development (of the setting up) of archives and major records therein: A study of the National Archives of India, Delhi and Himachal Pradesh State Archives, Shimla.
  - IV. Museums and archives in digital culture: virtual, digital, crafts, media, libraries.
- A visit/field work/survey of/to a museum/archive/important site (the best nearby) for studying of structure & functions is part of this course. Total weightage & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

#### B. A. THIRD YEAR (SEC VI)

##### SEC-4: HIST (A) 319 Introduction to Indian Art

- I. Understanding key terms in art appreciation: art, craft, sculpture, relief, painting, miniature, mural, fresco, rangoli, folk art
  - II. Indian Sculpture
    - Iconography: Hindu, Buddhist and Jaina
  - III. Architecture Temple architecture: Nagara, Dravida and Vesara Mosques and Mausoleums: Qutb Complex; Humayun's tomb; Jama Masjid; Taj Mahal Rock-Cut Temple of Masrur and Colonial architecture in Shimla
  - IV. Indian Painting: understanding it historically
    - Mural painting: Ajanta
    - Mughal: miniature styles
- Pahari School of Painting: Guler-Kangra Paintings



A visit/field work/survey of/to a temple/ mosque & mausoleum /museum/ art gallery/ important architectural site (the best nearby) is part of this course. Total weightage & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments.

B. A. THIRD YEAR (SEC VIII)

SEC-4: HIST (A) 320

Understanding Popular Culture

- I. Introduction: Defining popular culture and understanding it historically
  - II. Visual expressions: Folk art, calendar art, photography
  - III. Performance: Theatre; music; folk tales/songs/swang and Nautanki: Identifying themes, functionality, anxieties
  - IV. The audio-visual: cinema and television: Indian cinema: Mapping the influence of the national struggle for independence (1930s and 40s); Idealized nationalism (1950s), disillusionment and the anti-establishment mood (1970s and 80s); documentary films Expressions of popular culture in television
- Important fairs, festivals and rituals of Himachal Pradesh
- A visit/field work/survey of/to a cultural event/ exhibition/performance (the best nearby) is part of this course. Students may use electronic devices to view, record, and document the subject matter. Total weightage & distribution of marks for evaluation of the field report/survey would be at par with tutorial/home assignments

(6) HINDI

प्रथम वर्ष

प्रयोजनमूलक हिन्दी

इकाई – 1

- 1.1 पत्र लेखन, प्रारूपण, टिप्पण, प्रतिवेदन, पत्राचार अर्थ एवं प्रकार, व्यावहारिक, व्यावसायिक एवं सरकारी पत्र लेखन, अनुवाद : परिभाषा, विशेषता एवं उपयोगिता

इकाई – 2

- 2.1 मुहावरे और लोकोक्तियाँ, अर्थ, परिभाषा एवं विभिन्न मुहावरे तथा लोकोक्तियाँ
- 2.2 शब्द-शुद्धि, वाक्य शुद्धि और शब्द ज्ञान(तत्सम, तद्भव, देशज तथा विदेशी)

इकाई – 3

- 3.1 पर्यायवाची एवं विलोम शब्द
- 3.2 अनेकार्थी, वाक्य या वाक्यांश के लिए एक शब्द अथवा अनेक शब्दों के लिए एक शब्द देवनागरी लिपि अर्थ, नामकरण, विशेषताएँ, वैज्ञानिकता, मानकीकरण एवं सुधार के उपाय

इकाई – 4

- 4.1 कम्प्यूटर में हिन्दी प्रयोग : कम्प्यूटर की संरचना, वर्तनी संशोधन एवं इन्टरनेट कार्यप्रणाली
- 4.2 पारिभाषिक शब्दावली
- 4.3 कार्यालयी हिन्दी और अनुवाद : विशेषताएँ, अनुवाद-प्रक्रिया, समस्याएँ एवं कठिनाइयाँ

हिंदी साहित्य का इतिहास

इकाई – 1

- 1.1 काल विभाजन एवं नामकरण, आदिकालीन काव्य धाराएँ – सिद्ध, नाथ एवं जैन साहित्य
- 1.2 प्रमुख रासो काव्य
- 1.3 आदिकालीन हिन्दी साहित्य की सामान्य विशेषताएँ।

इकाई – 2

- 2.1 भक्ति आन्दोलन : सामाजिक-सांस्कृतिक पृष्ठभूमि

- 2.2 प्रमुख निर्गुण कवि, प्रमुख सगुण कवि  
 2.3 भक्तिकाल की सामान्य विशेषताएँ।  
 इकाई – 3  
 3.1 रीतिकाल की ऐतिहासिक पृष्ठभूमि  
 3.2 रीतिबद्ध  
 3.3 रीतिसिद्ध तथा रीतिमुक्त कवि।  
 इकाई – 4  
 4.1 1857 का स्वतंत्रता संघर्ष और हिन्दी नवजागरण, भारतेन्दु युगीन साहित्य की विशेषताएँ  
 4.2 महावीर प्रसाद द्विवेदी और उनका युग, द्विवेदी युग के प्रमुख गद्य लेखक और कवि  
 4.3 मैथिलीशरण गुप्त और राष्ट्रीय काव्यधारा  
 4.4 छायावाद, प्रगतिवाद, प्रयोगवाद और नई कविता एवं हिन्दी में गद्य विधाओं का उद्भव और विकास – उपन्यास, कहानी, नाटक, निबंध।

#### मध्यकालीन हिंदी कविता

##### इकाई – 1

- 1.1 कबीर तथा सूरदास का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
 1.2 कबीर तथा सूरदास की काव्यगत विशेषताएँ  
 पाठ्यपुस्तक – कबीर ग्रंथावली, सं० श्यामसुन्दर दास, काशी नागरी प्रचारिणी सभा ।  
 1.3 कबीर की साखियाँ – गुरुदेव को अंग दोहा संख्या 3, 4  
 कुसंगति को अंग 6, 7  
 कस्तुरिया युग को अंग 4, 9  
 कबीर के पद – 1, 2, 15, 16  
 पाठ्यपुस्तक – भ्रमरगीत सार (सं०) रामचन्द्र शुक्ल  
 1.4 सूरदास के पद – 1, 2, 43, 44, 111, 115, 354, 355, 387, 402

##### इकाई – 2

- 2.1 तुलसीदास तथा मीराबाई का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
 2.2 तुलसीदास तथा मीराबाई की काव्यगत विशेषताएँ  
 पाठ्यपुस्तक – कवितावली, गीताप्रेस गोरखपुर, सं० 2052, 36वां संस्करण  
 2.3 बालकांड – 1  
 उत्तरकांड – 96, 106  
 विनय पत्रिका – पद संख्या – 105, 111, 162  
 पाठ्यपुस्तक – मीराबाई की पदावली, सं० आचार्य परशुराम चतुर्वेदी, हिन्दी साहित्य सम्मेलन  
 2.4 मीराबाई के पद – 5, 17, 18, 19, 22, 23, 25, 41, 73, 158

##### इकाई – 3

- 3.1 रसखान तथा बिहारी का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
 3.2 रसखान तथा बिहारी की काव्यगत विशेषताएँ  
 पाठ्यपुस्तक – रसखान रचनावली, सं० विद्यानिवास मिश्र, सत्यदेव मिश्र, वाणी प्रकाशन, दिल्ली, सं० 1993 ।  
 3.3 रसखान के पद – 1, 2, 3, 4, 5, 6, 7  
 पाठ्यपुस्तक – बिहारी रत्नाकर, सं० जगन्नाथ रत्नाकर प्रकाशन संस्थान, नई दिल्ली  
 3.4 बिहारी के दोहे – 2, 15, 20, 25, 38, 46, 69, 70, 110, 123

##### इकाई – 4

- 4.1 भूषण तथा घनानंद का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
 4.2 भूषण तथा घनानंद की काव्यगत विशेषताएँ  
 पाठ्यपुस्तक – भूषणग्रन्थावली, नागरी प्रचारिणी सभा, काशी, सं० 2015 ।  
 4.3 शिवराज – भूषण – 2 से 9 तक दोहे  
 पाठ्यपुस्तक – घनानंद कवित्त सं०, विश्वनाथ प्रसाद मिश्र  
 4.4 घनानंद के छंद – 1 – 8 तक

#### हिंदी भाषा और संप्रेषण

##### इकाई – 1

- 1.1 भाषा की परिभाषा, प्रकृति एवं विविध रूप  
 1.2 हिंदी भाषा की विशेषताएँ : क्रिया, विभक्ति, सर्वनाम, विश्लेषण एवं अव्यय संबंधी।  
 1.3 3.उपसर्ग, प्रत्यय तथा समास। पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, शब्द शुद्धि, वाक्य शुद्धि, मुहावरे और लोकोक्तियाँ ।

इकाई — 2

- 2.1 हिंदी की वर्ण-व्यवस्था : स्वर एवं व्यंजन।  
2.2 स्वर के प्रकार — ह्रस्व, दीर्घ तथा संयुक्त।  
2.3 व्यंजन के प्रकार — स्पर्श, अन्तस्थ, ऊष्म, अल्पप्राण, महाप्राण, घोष तथा अघोष।

इकाई — 3

- 3.1 वर्णों का उच्चारण स्थान : कण्ठ्य, तालव्य, मूर्धन्य, दन्त्य, ओष्ठ्य तथा दन्तोष्ठ्य। 3.2 बलाघात, संगम, अनुतान तथा संधि।  
इकाई — 4
- 4.1 भाषा संप्रेषण के चरण : श्रवण, अभिव्यक्ति, वाचन तथा लेखन।  
4.2 हिंदी वाक्य रचना, वाक्य और उपवाक्य। वाक्य भेद। वाक्य का रूपान्तर।  
4.3 भावार्थ और व्याख्या, आशय लेखन, विविध प्रकार के पत्र लेखन।

द्वितीय वर्ष  
अनिवार्य हिन्दी 'रचना पुंज'

इकाई — 1

- 1.1 कबीर, घनानंद, सूर्यकांत त्रिपाठी निराला तथा बालकृष्ण शर्मा नवीन का सामान्य परिचय  
1.2 कबीर — पन्द्रह दोहे, घनानंद 3 कवित्त, 3 सवैये  
1.3 सूर्यकांत त्रिपाठी निराला : तोड़ती पत्थर, विनय बालकृष्ण शर्मा नवीन : विप्लव गायन  
इकाई — 2
- 2.1 सच्चिदानन्द हीरानन्द वात्स्यायन 'अज्ञेय' गजानन माधव मुक्तिबोध एवं सुदामा पाण्डे  
धूमिल का सामान्य परिचय  
2.2 अज्ञेय : कितनी नावों में कितनी बार, दूर्वाचल मुक्तिबोध : मुझे तुम्हारा साथ मिला है, ओ मेघ  
2.3 धूमिल : दस्तक, रोटी और संसद

इकाई — 3

- 3.1 प्रेमचन्द, मोहन राकेश, काशीनाथ सिंह, उदय प्रकाश का सामान्य परिचय  
3.2 प्रेमचन्द : ईदगाह, मोहन राकेश : मलवे का मालिक  
काशीनाथ सिंह : अपना रास्ता लो बाबा, उदय प्रकाश : छप्पन तोले का करधन  
इकाई — 4

- 4.1 महादेवी वर्मा, रामधारीसिंह दिनकर और श्रीलाल शुक्ल का सामान्य परिचय  
4.2 महादेवी वर्मा : जीने की कला, रामधारी सिंह 'दिनकर' : नेता नहीं,  
नागरिक चाहिए, श्रीलाल शुक्ल : अंगद का पाँव

आधुनिक हिंदी कविता

इकाई — 1

- 1.1 भारतेन्दु हरिश्चन्द्र तथा अयोध्या सिंह उपाध्याय 'हरिऔध' का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
1.2 भारतेन्दु हरिश्चन्द्र तथा अयोध्या सिंह उपाध्याय 'हरिऔध' की काव्यगत विशेषताएँ  
1.3 भारतेन्दु हरिश्चन्द्र : कविताएँ —

भारत दुर्दशा  
वर्षा विनोद  
प्रेम शालिका  
प्रेमाश्रु वर्षण

- 1.4 अयोध्या सिंह उपाध्याय 'हरिऔध' : कविताएँ —

प्रिय प्रवास  
दुखिया के आँसू  
एक बूँद  
काँटा और फूल

इकाई — 2

- 2.1 मैथिलीशरण गुप्त तथा जयशंकर प्रसाद का व्यक्तित्व एवं कृतित्व : सामान्य परिचय  
2.2 मैथिलीशरण गुप्त तथा जयशंकर प्रसाद की काव्यगत विशेषताएँ  
2.3 मैथिलीशरण गुप्त : कविताएँ —

भारत भारती  
मातृभूमि

आश  
सन्देश

2.4 जयशंकर प्रसाद : कविताएँ –

ले चल वहाँ भुलावा देकर  
बीती विभावरी जाग री  
अरुण यह मधुमय देश हमारा  
हृदय का सौंदर्य

इकाई – 3

3.1 सूर्यकांत त्रिपाठी निराला तथा सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' का व्यक्तित्व एवं कृतित्व : सामान्य परिचय

3.2 सूर्यकांत त्रिपाठी निराला तथा सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' की काव्यगत विशेषताएँ

3.3 सूर्यकांत त्रिपाठी निराला : कविताएँ –

वर दे, वीणा वादिनी वर दे  
तोड़ती पत्थर  
स्नेह निर्झर सह गया है  
विधवा

3.4 सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' : कविताएँ –

उड़ चल, हारिल  
कलगी बाजरे की  
साँप  
नया कवि : आत्म स्वीकार

इकाई – 4

4.1 नागार्जुन तथा नरेश मेहता का व्यक्तित्व एवं कृतित्व : सामान्य परिचय

4.2 नागार्जुन तथा नरेश मेहता की काव्यगत विशेषताएँ

4.3 नागार्जुन : कविताएँ –

यह दन्तुरित मुस्कान प्रेत का बयान  
नरेश मेहता : कविताएँ –  
तीर्थ जल  
पीले फूल कनेर के मेघ मैं

हिंदी गद्य साहित्य

इकाई – 1

1.1 जैनेन्द्र कुमार : व्यक्तित्व एवं कृतित्व

1.2 उपन्यास : त्यागपत्र – पाठपरक अध्ययन

1.3 त्यागपत्र : तात्त्विक समीक्षा

इकाई – 2

1.1 प्रेमचंद, जयशंकर प्रसाद, यशपाल एवं उषा प्रियंवदा का व्यक्तित्व एवं कृतित्व

2.2 निम्नलिखित कहानियों का पाठपरक अध्ययन

कहानी : नमक का दरोगा – प्रेमचंद

आकाशदीप – जयशंकर प्रसाद

परदा – यशपाल

वापसी

– उषा प्रियंवदा

2.3 उपर्युक्त कहानियों की तात्त्विक समीक्षा

इकाई – 3

3.1 रामचन्द्र शुक्ल तथा हजारीप्रसाद द्विवेदी का व्यक्तित्व एवं कृतित्व

3.2 निम्नलिखित निबन्धों का पाठपरक अध्ययन

निबन्ध : लोभ और प्रीति – रामचन्द्र शुक्ल

कुटज – हजारीप्रसाद द्विवेदी

3.3 उपर्युक्त निबन्धों की तात्त्विक समीक्षा

इकाई – 4

4.1 महादेवी वर्मा तथा प्रभा खेतान का व्यक्तित्व एवं कृतित्व

4.2 निम्नलिखित निबन्धों का पाठपरक अध्ययन

निबन्ध : संस्कृति और शिक्षा (चिन्तन के क्षण संग्रह से) – महादेवी वर्मा

भूमण्डलीकरण, धार्मिक समाज और पूँजीवाद – प्रभा खेतान

4.3 उपर्युक्त निबन्धों की तात्त्विक समीक्षा

कार्यालयी हिन्दी

## इकाई - 1

- 1.1 हिन्दी भाषा के विभिन्न रूप—राष्ट्रभाषा, राजभाषा, जनभाषा।
- 1.2 शिक्षण माध्यम—भाषा, संचार भाषा, सर्जनात्मक भाषा, यांत्रिक भाषा।  
इकाई - 2
- 2.1 राजभाषा का स्वरूप, भारतीय संविधान में राजभाषा संबंधी परिनियमावली का सामान्य परिचय
- 2.2 राजभाषा के रूप में हिन्दी के समक्ष व्यावहारिक कठिनाइयाँ एवं संभावित समाधान।  
इकाई - 3
- 3.1 टिप्पण (नोटिंग), प्रारूपण/आलेखन (ड्राफ्टिंग), पल्लवन, संक्षेपण।
- 3.2 विभिन्न प्रकार के पत्राचार, प्रशासनिक पत्रावली की निष्पादन प्रक्रिया।  
इकाई - 4
- 4.1 पारिभाषिक शब्दावली।
- 4.2 कार्यालयी प्रयोजनों में विभिन्न यांत्रिक उपकरणों का अनुप्रयोग - कम्प्यूटर, लैपटॉप, टैबलेट, टेलीप्रिंटर, टेलेक्स, वीडियो कान्फ्रेंसिंग।

## हिंदी भाषा शिक्षण

### इकाई - 1

- 1.1 भाषा शिक्षण के संदर्भ : राष्ट्रीय, सामाजिक, शैक्षिक और भाषिक।
  - 1.2 भाषा शिक्षण की आधारभूत संकल्पनाएँ
- प्रथम भाषा/मातृभाषा तथा अन्य भाषा की संकल्पना
- अन्य भाषा के अंतर्गत द्वितीय तथा विदेशी भाषा की संकल्पना
  - मातृभाषा, द्वितीय भाषा और विदेशी भाषा के शिक्षण में अंतर
  - सामान्य और विशिष्ट प्रयोजन के लिए भाषा-शिक्षण

### इकाई - 2

- 2.1 भाषा शिक्षण की विधियाँ
  - भाषा कौशल - श्रवण, भाषण, वाचन, लेखन।
  - भाषा का कौशल के रूप में शिक्षण; भाषा कौशलों के विकास की तकनीक और अभ्यास
  - अन्य भाषा-शिक्षण की प्रमुख विधियाँ : व्याकरण-अनुवाद-विधि, प्रत्यक्ष विधि, मौखिक वार्तालाप विधि, संरचनात्मक विधि, द्विभाषिक शिक्षण विधि।

### इकाई - 3

- 3.1 हिंदी शिक्षण
  - हिंदी का मातृभाषा के रूप में शिक्षण : स्कूली शिक्षा, उच्च शिक्षा, दूरस्थ शिक्षा, तकनीकी तथा विशिष्ट प्रयोजन संदर्भित शिक्षा।
  - द्वितीय भाषा के रूप में सजातीय और विजातीय भाषा वर्गों के संदर्भ में हिंदी शिक्षण
  - विदेशी भाषा के रूप में विदेशों में हिंदी शिक्षण

### इकाई - 4

- 4.1 भाषा परीक्षण और मूल्यांकन
  - भाषा परीक्षण और मूल्यांकन की संकल्पना - भाषा-परीक्षण के प्रकार
  - मूल्यांकन के प्रकार

## अनुवाद विज्ञान

### इकाई - 1

- 1.1 अनुवाद का तात्पर्य, अनुवाद के विभिन्न प्रकार - भाषान्तरण, सारानुवाद तथा रूपान्तरण में साम्य-वैषम्य। अनुवाद के प्रमुख प्रकार—कार्यालयी, साहित्यिक, ज्ञान-विज्ञानपरक, विधिक, वाणिज्यिक।
- 1.2 अनुवाद के शिल्पगत भेद अविकल अनुवाद (लिटरेल), भावानुवाद/छायानुवाद, आशु अनुवाद, डबिंग, कम्प्यूटर अनुवाद।

### इकाई - 2

- 2.1 साहित्यिक अनुवाद के प्रमुख रूप—काव्यानुवाद, कथानुवाद, नाट्यानुवाद।
- 2.2 अनुवाद में पर्यवेक्षण (वेटिंग) की भूमिका।

### इकाई - 3

- 3.1 वैज्ञानिक तकनीकी शब्दावली का अनुवाद, मुहावरों/लोकोक्तियों का अनुवाद, संक्षिप्ताक्षरों तथा कूटपदों का अनुवाद, आंचलिक शब्दावली का अनुवाद, व्यंजनापरक

लाक्षणिक पद प्रयोगों का अनुवाद।

3.2 अनुवाद की सम्पादन प्रविधि।

3.3 अनुवादक की अर्हता और सफल अनुवाद के अभिलक्षण।

इकाई - 4

4.1 विश्व भाषाओं की प्रमुख कृतियों के हिन्दी अनुवाद एवं हिन्दी की प्रमुख कृतियों के विश्वभाषाओं में किये गये अनुवाद।

4.2 भारत में अनुवाद प्रशिक्षण के प्रमुख केन्द्र, अनुवाद के राष्ट्रीय प्राधिकरण के गठन की आवश्यकता।

4.3 हिन्दी अनुवाद का भविष्य।

संभाषण कला

भाषण का अर्थ।

इकाई - 1

2 संभाषण के विभिन्न रूप-वार्तालाप, व्याख्यान, वाद विवाद, एकलाप, अवाचिक अभिव्यक्ति, जन संबोधन।

1.3 जन सम्पर्क में वाक्कला की उपयोगिता

इकाई - 2

2.1 संभाषण कला के प्रमुख उपादान - यथेष्ट भाषा ज्ञान, मानक उच्चारण, सटीक प्रस्तुति, अन्तराल ध्वनि (वाल्जूम), वेग, लहजा (एक्सेण्ट)

2.2 संभाषण कला के विभिन्न रूप, उद्घोषणा कला (अनाउन्सेमेंट), आंखों देखा हाल (कमेन्ट्री), संचालन (एकरिंग)

2.3 वाचन कला, समाचार वाचन (रेडियो, टीवी.) मंचीय वाचन (कविता, कहानी, व्यंग्य आदि)

इकाई - 3

3.1 वाद-विवाद प्रतियोगिता एवं समूह संवाद।

3.2 लोक प्रशासन, जनसम्पर्क एवं विपणन के विकास में संभाषण कला का योगदान।

इकाई - 4

4.1 संवादी भाषा (कनवर्सेशनल लैंग्वेज) के रूप में हिन्दी की भाषिक संवेदना की विवेचना।

तृतीय वर्ष  
रंग आलेख एवं रंगमंच

इकाई - 1

1.1 नाटक के प्रमुख प्रकार और उनका रचना विधान-पूर्णाकी, एकांकी, लोकनाटक, प्रहसन, काव्यनाटक, नवुकड़ नाटक, प्रतीकनाटक, भावनाटक, पाठ्यनाटक, रेडियो नाटक, टीवी नाटक।

इकाई - 2

2.1 हिन्दी नाट्यशास्त्र और नाट्य लेखन का इतिहास

2.2 हिन्दी नाटक की प्रमुख प्रवृत्तियाँ - सामाजिक, सांस्कृतिक, ऐतिहासिक, समस्यामूलक तथा एबसर्ड नाटक।

इकाई - 3

3.1 हिन्दी के प्रमुख नाटक और नाटककार।

3.2 हिन्दी रंगमंच के प्रमुख रूप-1. शौकिया मंच 2. व्यावसायिक मंच 3. सरकारी मंच।

3.3 हिन्दी क्षेत्र की प्रसिद्ध रंगशालाएं तथा संस्थाएं।

इकाई - 4

4.1 रंग शिल्प प्रशिक्षण, रंग स्थापत्य, रंग सज्जा, रंग दीपन, ध्वनि व्यवस्था एवं प्रसाधन, निर्देशन एवं अभिनय। रंगमंचीय भाषा की विशेषताएं।

4.2 रंग आलेख की प्रविधि - वस्तुविधान, पात्र परिकल्पना, परिस्थिति योजना, संवाद

लेखन का वैशिष्ट्य, रंग निर्देशों की उपयोगिता।

4.3 रंग समीक्षा का महत्त्व।

भाषा कम्प्यूटिंग

इकाई - 1

1.1 कम्प्यूटर प्रबंधन-हार्डवेयर, सॉफ्टवेयर, प्रमुख एप्लीकेशन पैकेज, वेबसाइट, ई-मेल, वेब सर्फिंग।

इलेक्ट्रॉनिक मीडिया, सी.डी., मोबाइल और किंडल, मैग्जीन का निर्माण।

इकाई - 2

2.1 मल्टीमीडिया की कार्य प्रणाली।

2.2 कम्प्यूटर में डाटा प्रविष्टि, स्मृति (मेमोरी), सूचना संग्रहण।

2.3 कम्प्यूटर मुद्रण।

इकाई - 3

3.1 सूचना प्रौद्योगिकी का स्वरूप।

3.2 संचार प्रौद्योगिकी की प्रयोजनीय शब्दावली।

3.3 संचार भाषा के रूप में हिन्दी की उपलब्धियाँ।

इकाई - 4

- 4.1 कम्प्यूटर में हिन्दी के विभिन्न अनुप्रयोग।
- 4.2 कम्प्यूटर अनुवाद।
- 4.3 रेडियो और टेलीविजन के कम्प्यूटर साधित कार्यक्रम।

चलचित्र लेखन

इकाई - 1

- 1.1 भारतीय सिनेमा का इतिहास।
- 1.2 हिन्दी की आरंभिक मूक और सवाक् फिल्में।
- 1.3 विगत शताब्दी की लोकप्रिय हिन्दी फिल्में, लोकप्रिय फिल्मी गीत तथा प्रसिद्ध संवाद।

इकाई - 2

- 2.1 प्रमुख निर्देशक एवं अभिनेता।
- 2.2 हॉलीवुड फिल्मों की हिन्दी डबिंग।
- 2.3 बॉलीवुड का हिन्दी फिल्मी उद्योग।

इकाई - 3

- 3.1 फिल्म निर्माण की प्रक्रिया।
- 3.2 हिन्दी पटकथा लेखन (सिनेरियो) का क्रमिक विकास, संवाद लेखन-प्रणाली या प्रविधि।
- 3.3 रीमेक फिल्मों का भाषिक पक्ष, समकालीन हिन्दी फिल्मों की भाषिक संरचना।

इकाई - 4

- 4.1 वृत्त चित्र की निर्माण पद्धति, फीचर।
- 4.2 हिन्दी में निर्मित विज्ञापन फिल्में (एड-फिल्में)।
- 4.3 फिल्मी अभिनेताओं द्वारा उच्चारित संवादों का स्वनिम के आधार पर विश्लेषण।
- 4.4 हिन्दी की विश्व व्याप्ति में फिल्मों की भूमिका। हिन्दी की प्रमुख फिल्मों के आधार पर भाषिक संरचना का व्यावहारिक प्रशिक्षण- देवदास (तीनों निर्मितियाँ) तथा शोले।

समाचार संकलन और लेखन

इकाई - 1

- 1.1 समाचार : अवधारणा, परिभाषा, बुनियादी तत्त्व, समाचार और संवाद, संरचना (घटक), समाचार मूल्य। समाचार के स्रोत।
- 1.2 समाचार संग्रह-पद्धति और लेखन-प्रक्रिया : सिद्धान्त और मार्गदर्शक बातें। विकासशील और जनरुचि की दृष्टियाँ।

इकाई - 2

- 2.1 समाचार का वर्गीकरण। खोजी, व्याख्यात्मक, अनुवर्तन समाचार।
- 2.2 संवाददाता : भूमिका, अर्हता, श्रेणियाँ, प्रकार्य एवं व्यवहार-संहिता।
- 2.3 रिपोर्टिंग के क्षेत्र और प्रकार : विधायिका, न्यायपालिका, मंत्रालय और प्रशासन, विदेश, रक्षा, राजनीति, अपराध और न्यायालय, दुर्घटना एवं नैसर्गिक आपदा, ग्रामीण, कृषि, विकास, अर्थ एवं वाणिज्य, बैठकें एवं सम्मेलन, संगोष्ठी, पत्रकार वार्ता, साहित्य एवं संस्कृति, विज्ञान, अनुसंधान एवं तकनीकी विषय, खेलकूद, पर्यावरण, मानवाधिकार और अन्य सामाजिक विषयों और क्षेत्रों से सम्बन्धित रिपोर्टिंग।

इकाई - 3

- 3.1 इलेक्ट्रॉनिक माध्यमों से प्राप्त समाचारों का पुनर्लेखन।
- 3.2 लीड : अर्थ, प्रकार, विशेषता, महत्त्व।

इकाई - 4

- 4.1 शीर्षक : अर्थ, प्रकार, लिखने की कला, महत्त्व।
- 4.2 रिपोर्टिंग : कला और विज्ञान के रूप में विश्लेषण, वस्तुपरकता और भाषा-शैली।

लोक साहित्य

इकाई - 1

- 1.1 लोक साहित्य- परिभाषा एवं स्वरूप, लोक साहित्य के विशिष्ट अध्येता, लोक संस्कृति - अवधारणा, लोक संस्कृति और साहित्य, लोक साहित्य के अध्ययन की प्रक्रिया, लोक साहित्य के संकलन की समस्याएँ।

- 1.2 लोक साहित्य के प्रमुख रूप- लोक गीत, लोक नाट्य, लोक कथा, लोकगाथा, लोकोक्ति।

इकाई - 2

- 2.1 लोकगीत - संस्कार गीत, व्रतगीत, श्रम परिहार गीत, ऋतुगीत।
- 2.2 लोकनाट्य - रामलीला, स्वांग, यक्षगान, भवाई, माच, तमाशा, नौटंकी, जात्रा, कथकली।

इकाई - 3

- 3.1 लोककथा - व्रतकथा, परीकथा, नागकथा, बोधकथा। कथानक रूढ़ियाँ एवं अभिप्राय, लोककथा निर्माण में अभिप्राय।
- 3.2 लोकगाथा - लोकगाथा की भारतीय परम्परा, लोकगाथा की सामान्य प्रवृत्तियाँ, लोकगाथा प्रस्तुति।

इकाई - 4

- 4.1 प्रसिद्ध लोकगाथाएँ - भरथरी (राजा भर्तृहरि), गूगा गाथा, गढ़ मलौण, मदन की हार, महासती सूरमी, मोहणा, नूरपुर का राजा जगत सिंह, सुन्नी भूकू, कुजू-चंचलो, रानी सुनैना।

छायावादोत्तर हिंदी कविता

इकाई - 1

- 1.1 सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' तथा गजानन माधव मुक्तिबोध का व्यक्तित्व एवं कृतित्व : सामान्य परिचय
- 1.2 सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' तथा गजानन माधव मुक्तिबोध की काव्यगत विशेषताएँ
- 1.3 सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' : कविताएँ — कलगी बाजरे की यह दीप अकेला
- 1.4 गजानन माधव मुक्तिबोध : कविताएँ — भूल गलती एक रंग का राग  
इकाई — 2
- 2.1 नागार्जुन तथा शमशेर बहादुर सिंह का व्यक्तित्व एवं कृतित्व : सामान्य परिचय
- 2.2 नागार्जुन तथा शमशेर बहादुर सिंह की काव्यगत विशेषताएँ
- 2.3 नागार्जुन : कविताएँ — अकाल और उसके बाद कालिदास
- 2.4 शमशेर बहादुर सिंह : कविताएँ — सूना सूना पथ है, उदास झरना वह सलोना जिस्म  
इकाई — 3
- 3.1 भवानी प्रसाद मिश्र तथा कुँवर नारायण का व्यक्तित्व एवं कृतित्व : सामान्य परिचय
- 3.2 भवानी प्रसाद मिश्र तथा कुँवर नारायण की काव्यगत विशेषताएँ
- 3.3 भवानी प्रसाद मिश्र : कविताएँ — कहीं नहीं बचे गीत फरोश
- 3.4 कुँवर नारायण : कविताएँ — नचिकेता

इकाई — 4

- 4.1 सर्वेश्वरदयाल सक्सेना तथा केदारनाथ सिंह का व्यक्तित्व एवं कृतित्व : सामान्य परिचय
- 4.2 सर्वेश्वरदयाल सक्सेना तथा केदारनाथ सिंह की काव्यगत विशेषताएँ
- 4.3 सर्वेश्वरदयाल सक्सेना : कविताएँ — मैंने कब कहा  
हम ले चलेंगे
- 4.4 केदारनाथ सिंह : कविताएँ — रचना की आधी रात  
फर्क नहीं पड़ता

आधुनिक भारतीय साहित्य

इकाई — 1

- 1.1 स्वाधीनता संग्राम और भारतीय नवजागरण तथा उसका भारतीय साहित्य पर प्रभाव
- 1.2 भारतीय साहित्य और राष्ट्रीयता

इकाई — 2

- 2.1 महात्मा गांधी और महर्षि अरविंद का भारतीय साहित्य पर प्रभाव
- 2.2 मार्क्सवाद एवं अस्तित्ववाद का भारतीय साहित्य पर प्रभाव

इकाई — 3

- 3.1 अनन्तमूर्ति : संस्कार उपन्यास
- 3.2 रवीन्द्रनाथ टैगोर : गीतांजलि — 1. वन्दना, 2. परिचय, 3. वरदान, 4. अरुण किरण, 5. सागर में ज्वार, 6. रात्रि परीक्षा, 7. शरत् सुन्दरी, 8. आषाढ़ की संध्या, 9. दिन ढल गया, 10. प्रिय व्यथा, 11. निर्झर, 12. अखण्ड आशा, 13. प्रकाश पुण्य, 14. रक्षा बन्धन, 15. सम्मान, 16. वसन्त, 17. अकेला दीप, 18. मैं हार गई, 19. एक बार, 20. गीत—सुधा

इकाई — 4

- 4.1 विजय तेन्दुलकर : घासीराम कोतवाल

सर्जनात्मक लेखन के विविध क्षेत्र

इकाई — 1

- 1.1 रिपोर्टाज : अर्थ, स्वरूप, रिपोर्टाज एवं अन्य गद्य रूप, रिपोर्टाज और फीचर लेखन—प्रविधि।
- 1.2 फीचर लेखन : विषय—चयन, सामग्री—निर्धारण, लेखन—प्रविधि। सामाजिक, आर्थिक, सांस्कृतिक, विज्ञान, पर्यावरण, खेलकूद से सम्बद्ध विषयों पर फीचर लेखन।

इकाई — 2

- 2.1 साक्षात्कार (इण्टरव्यू/भेंटवार्ता) : उद्देश्य, प्रकार, साक्षात्कार—प्रविधि, महत्त्व।
- 2.1 स्तंभ लेखन : समाचार पत्र के विविध स्तंभ, स्तंभ लेखन की विशेषताएँ, समाचार पत्र और साप्ताहिक पत्रिकाओं के लिए समसामयिक, ज्ञानवर्धक और मनोरंजक सामग्री का लेखन। सप्ताहांत अतिरिक्त सामग्री और परिशिष्ट।

इकाई — 3

- 3.1 दृश्य—सामग्री (छायाचित्र, कार्टून, रेखाचित्र, ग्राफिक्स आदि) से संबंधित लेखन।

इकाई — 4

- 4.1 बाजार, खेलकूद, फिल्म, पुस्तक और कला समीक्षा।
- 4.2 आर्थिक पत्रकारिता, खेल पत्रकारिता, ग्रामीण और विकास पत्रकारिता, फोटो पत्रकारिता।



## (7) POLITICAL SCIENCE

(i) BA-1st Year (Annual System) Core Course–Discipline Specific Course -DSC-1A Code: DSC-1A-POLS 101  
Introduction to Political Theory

Unit	Topic
I	What is politics and what is Political Theory? What is its relevance?
II	State, Civil Society, Liberty, Equality, Justice, Rights
III	Debates: (a) Democracy and Economic Growth, (b) Liberal and Socialist Perspectives.
IV	Protective Discrimination and Principles of Fairness. State intervention and the Institution of Family

(ii) B.A. 1st Year (Annual System) Core Course –Discipline Specific Course-DSC-1B Code: DSC-1B-POLS102  
Indian Government and Politics

Unit	Topic
I	Nature of Indian State, Liberal, Marxist and Gandhian Approaches to the study of Indian Politics.
II	Indian Constitution: Features, Fundamental Rights and Directive Principles, Parliament, Office of the Prime Minister and Judiciary. Power Structure in India: Caste, Class and Patriarchy
III	Religion and Politics, Secularism and Communalism; Parties and Party System in India.
IV	Social Movements: Workers, Peasants, Environmental and Women’s Movements. Strategies of Development: Planned Economy and Neo-liberalism.

(iii) BA-II Year (Annual System) Core Course–Discipline Specific Course-DSC-1C Code: DSC-1C-POLS 201  
Comparative Government and Politics

Unit	Topic
I	Comparative Politics: Nature, Scope and Methods. Authoritarian and Democratic Regimes
II	Classification of Political Systems: Parliamentary and Presidential- UK & USA; Federal and Unitary- Canada & China
III	Electoral System: First Past the Post; Proportional Representation.
IV	Party System: One Party, Bi- party and Multi-Party System. Notion of the Welfare State.

(iv) BA-II Year (Annual System) Core Course- Discipline Specific Course-DSC-1D Code: DSC-1D-POLS 202  
Introduction to International Relations

Unit	Topic
I	Approaches to the study of International Relations (a) Classical Realism (Hans Morgenthau), (B) World Systems Approach (Immanuel Wallerstein) and Dependency Model (Andre Gunder Frank)
II	Cold War: Meaning and Nature. Causes of its End
III	Post Cold- War Era and Emerging Centers of Power (European Union, China, Russia and Japan).
IV	Indian Foreign Policy (a) Basic Determinants (Historical, Geo-Political, Economic, Domestic and Strategic) (b) Policy of Non-alignment.

(v) BA-II Year (Annual System) Skill Enhancement Course-I-SEC-1 Code:SEC-1-POLS203 Legislative Support

Unit	Topic
I	Power and Functions of People’s Representatives: Local Government (Rural and Urban); State Legislature and the Parliament.
II	Supporting the Legislative Process: How a Bill becomes an Act; Role of the Standing Committee in the Making of Law.
III	Legislative Committees: Nature, Role and Type of Committees

IV	Reading the Budget Document: Role of Parliament in Passing the Union Budget; Raising of the Demands for Grants.
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(vi) BA-II Year (Annual System)) Skill Enhancement Course–2-SEC-2 Code:SEC-2-POLS 204 Public Opinion and Survey Research

Unit	Topic
I	Public Opinion: Meaning and Features. Public Opinion and Democracy.
II	Representation and Sampling (a) Sample- Meaning and Utility; (b) Types: Random, Non Random and Stratified Sampling
III	Understanding Survey Research (a) Interview techniques. (b) Questionnaire method.
IV	Quantitative Data: Meaning, Analysis and Interpretation. Understanding the Opinion Polls and Exit Polls.

(vii) BA-III Year (Annual System) Discipline Specific Elective Course-DSE-OPTION- 1 Code: DSE-1A-POLS301  
(A) Themes in Comparative Political Theory

Unit	Topic
I	Features of Indian and Western Political Thought. Similarities and Dissimilarities in Indian and Western Political Thought.
II	John Locke on Rights, J. S. Mill on liberty
III	Indian Thought: Kautilya's Views on State. Tilak and Gandhi on Swaraj
IV	Ambedkar and Lohia on Social Justice, Nehru on Democratic Socialism, Patel: Idea of National Integration

(viii) BA-III Year (Annual System) Discipline Specific Elective Course-DSE -OPTION-1 Code: DSE-1B-POLS302  
(A) Democracy and Governance

Unit	Topic
I	Structure and Process of Governance. (a) Union Level: President, Prime minister and Supreme Court. (b) State Level: Governor, Chief Minister and High Court.
II	(a) Political Communication: Nature, Forms and Importance. (b) Role of Trade Unions and Farmers Associations.
III	Contemporary Political Economy: Liberalisation and E-governance
IV	Dynamics of Civil Society: New Social Movements (Gender, Tribe, Environment) and NGO's.

(ix) Skill Enhancement Course-SEC-3 Code: SEC-3-POLS303 Democratic Awareness Through Legal Literacy

Unit	Topic
I	Outlining the Legal System in India: Criminal and Civil Courts; Juvenile Courts, Mahila Courts. Role of Tribunals.
II	Understanding the Application of Law. Criminal Jurisdiction, Filing an FIR, Arrest, Bail Search and Seizure. Prevention of Atrocities on Scheduled Castes and Scheduled Tribes
III	Dowry, Sexual Harassment and Violence Against Women. Consumer Rights and Cybercrimes.
IV	Functioning of Legal System: Legal Services Authorities Act. Preventive Detention Act and National Security Act.

(x) BA-III Year (Annual System) Skill Enhancement Course–SEC-4 Code: SEC- 4-POLS 304 Conflict and Peace Building

Unit	Topic
I	Understanding Conflict: Management, Resolution and Peace Building.
II	Types of Conflict: Ideological, Socio-Cultural Conflicts (Ethnic, Religious).
III	Level of Conflicts: Local, Sub-National and International.
IV	Methods to Resolve Conflict: Negotiations, Trust Building and Mediation. Track I and Track II Diplomacy

(xi) BA-III Year (Annual System) Generic Elective-1 Generic-1 Code: GE-1-POLS 305 Society, Economy and Politics in Himachal Pradesh

Unit	Topic
I	Politics of Statehood: Movement for Attaining Status of Separate State. Geographic, Climatic and Demographic Condition

II	Economy of Himachal Pradesh: Horticulture, Agriculture, Business, Trade and Industry, Tourism and Hydro-Electric Power Projects
III	Political Parties in H.P: Support base and Electoral Performance. Pressure Groups and their Role. Students Politics in H.P.
IV	Caste Politics and Sub-Regionalism in H.P. Working of Panchayati Raj Institutions after 73rd Constitutional Amendment.

(xii) BA-III Year (Annual System) Generic Elective-2 Generic-2 Code: GE-2-POLS306 Human Rights, Gender and Environment

Unit	Topic
I	Human Rights: Meanings and Scope. UN Declarations and Covenants.
II	Human Rights in India: Constitutional Provisions and Practices. The Role of National Human Rights Commission (NHRC).
III	Analyzing Structures of Patriarchy. Economic Development and Women. The Issue of Women Political Participation and Representation in India
IV	Environmental and Sustainable Development. UN Environment Programme: Rio, Johannesburg and after. Environmental Policy in India.

### (8) SANSKRIT

FIRST YEAR DSC-1A SKT-DSC-101 संस्कृतकाव्य	
(A) Prescribed Course:	
Section 'A'	रघुवंशम्
Section 'B'	शिशुपालवधम्
Section 'C'	नीतिशतकम्
Section 'D'	संस्कृत काव्य का इतिहास
(B) Unit-Wise Division:	
	Section 'A' रघुवंशम्
Unit: I	कवि एवं काव्य परिचय सर्ग 1 (पद्य 1-10) सरलार्थ एवं व्याख्या, रघुवंशी राजाओं की विशेषताएँ, राजा दिलीप की विशेषताएँ
Unit: II	सर्ग 1 (पद्य 1-10) सरलार्थ एवं व्याख्या, प्रजा की भलाई में दिलीप का योगदान। रघुवंश नामकरण की सार्थकता, प्रदत्त विषय का परिचय।
	Section 'B' शिशुपालवधम्
Unit I	कवि एवं विषय का परिचय, शिशुपालवध नामकरण की सार्थकता, प्रदत्त विषयवस्तु का परिचय। सर्ग-2 पद्य (26-37), व्याकरण, सरलार्थ, व्याख्या, काव्य-सौष्ठव, विषयवस्तु विश्लेषण।

Unit II	सर्ग-2 पद्य (42-56), व्याकरण, सरलार्थ, व्याख्या, काव्य-सौष्ठव, विषयवस्तु विश्लेषण। माघे सन्ति त्रयो गुणाः, मेघे माघे गतं वयः, तावद् भा भारवेर्भाति यावन्माघस्य नोदयः (इन उक्तियों का विश्लेषण)।
	Section 'C' नीतिशतकम्
Unit I	पद्य 1-10 सरलार्थ, व्याख्या।
Unit II	पद्य 11-20 सरलार्थ, व्याख्या, भर्तृहरि के सामाजिक अनुभव, मूर्खों के प्रकार।
	Section 'D' संस्कृत काव्य का इतिहास
Unit I	अश्वघोष, कालिदास, भारवि, माघ, श्रीहर्ष, जयदेव, भर्तृहरि तथा उनकी रचनाएँ।
Unit II	महाकाव्य और गीतिकाव्य का उद्भव और विकास, उपर्युक्त कवियों और उनकी रचनाओं के सन्दर्भ में।

FIRST YEAR DSC-1B SKT-DSC-102 संस्कृत गद्य काव्य	
(A) Prescribed Course:	
Section 'A'	शुकनासोपदेश
Section 'B'	शुकनासोपदेश
Section 'C'	शिवराज विजय प्रथम निःश्वास 1
Section 'D'	संस्कृत गद्यकाव्य का सर्वेक्षण
(B) Unit-Wise Division:	
	Section 'A' शुकनासोपदेश
Unit I	लेखक एवं विषयवस्तु का परिचय, प्रारम्भ से लेकर – यथा यथा चेयं चपला दीप्यते। इस गद्य की समाप्तिपर्यन्त सरलार्थ एवं व्याख्या।
	Section 'B' शुकनासोपदेश
Unit I	उत्सारणवेत्रलता सत्पुरुषव्यवहाराणाम् इस गद्य से लेकर अभिषेकानन्तरं च प्रारब्ध दिग्विजय इस गद्य की समाप्ति पर्यन्त सरलार्थ एवं व्याख्या।
Unit II	शुकनासोपदेश में वर्णित समाज तथा राजनैतिक विचार तथा सूक्तियों का तार्किक अर्थ एवं उपयोगिता।
	Section 'C' शिवराजविजय प्रथम निःश्वास
Unit I	गद्य 1-20, लेखक एवं विषयवस्तु का परिचय, व्याकरण, सरलार्थ तथा व्याख्या, गद्य सौष्ठव, कथावस्तु, घटनाक्रम का समय निर्धारण।
Unit II	पंचतंत्र, हितोपदेश, बेतालपंचविंशतिका का सामान्य परिचय।
	Section 'D' संस्कृत गद्यकाव्य का सर्वेक्षण

Unit I	गद्यकाव्य का उद्भव और विकास तथा प्रमुख रोमांचक प्रेम कथाएँ – सुबन्धु, बाण, दण्डी, अम्बिकादत्त व्यास।
Unit II	पंचतंत्र, हितोपदेश, बेतालपंचविंशतिका का सामान्य परिचय।
FIRST YEAR MILCore-1 SKT-DSC-103 नीति साहित्य	
(A) Prescribed Courses	
Section 'A'	पंचतंत्रम्
Section 'B'	नीतिशतकम्
Section 'C'	संस्कृत नीति साहित्य का सामान्य परिचय
Section 'D'	अथर्ववेद का ब्रह्मसूक्त
(B) Unit-Wise Division	
	Section 'A' पंचतंत्रम्
Unit I	निम्नलिखित कथाओं का सामान्य परिचय तथा इन कथाओं का मनोवैज्ञानिक प्रभाव (क्षपणक कथा, सिंह कारक मूर्ख ब्राह्मण कथा)
Unit II	निम्नलिखित कथाओं का सामान्य परिचय तथा इन कथाओं का मनोवैज्ञानिक प्रभाव (मूर्खपण्डित कथा, वानर मकर कथा, गंगगत्तमण्डूक कथा)
	Section 'B' नीतिशतकम्
Unit I	सरलार्थ, व्याख्या एवं आलोचनात्मक प्रश्नों के उत्तर हेतु अपेक्षित है- नीतिशतकम् का परिचय, पद्य 1-10 सरलार्थ
Unit II	पद्य 11-20 सरलार्थ
	Section 'C' संस्कृत नीति साहित्य का सामान्य परिचय
Unit I	महाकाव्य (कालिदास तथा भारवि) गद्यकाव्य (बाणभट्ट तथा दण्डी)
Unit II	नाटक (भास, कालिदास एवं भवभूति)
	Section 'D' अथर्ववेद का ब्रह्मचर्य सूक्त
Unit I	अथर्ववेद के ब्रह्मचर्य सूक्तानुसार ब्रह्मचर्य का स्वरूप, आचार्य का स्वरूप, आचार्य शिष्य परम्परा
FIRST YEAR SKT-AECC-104 उपनिषद्गीता तथा पाणिनीय शिक्षा ,	
(A) Prescribed Course:	
Section 'A'	उपनिषद् ईशावास्योपनिषद्-
Section 'B'	श्रीमद्भगवद्गीता
Section 'C'	औपनिषदिक दर्शन का सामान्य परिचय

Section 'D'	पाणिनीय शिक्षा
	Section 'A' उपनिषद् – ईशावास्योपनिषद्
(B Unit Wise Division :	
Unit I	ईशावास्योपनिषद् का सामान्य परिचय
Unit II	ईशावास्योपनिषद् के मन्त्रों का सरलार्थ
	Section 'B' श्रीमद्भगवद्गीता – अध्याय 2
Unit I	श्रीमद्भगवद्गीता का सामान्य परिचय, अध्याय-2 (पद्य 1-25), सरलार्थ एवं व्याख्या
Unit II	श्रीमद्भगवद्गीता अध्याय-2 (पद्य 26-72), सरलार्थ एवं व्याख्या
	Section 'C' औपनिषदिक दर्शन का सामान्य परिचय
Unit I	औपनिषदिक दर्शन का सामान्य परिचय- आत्मा, ब्रह्म, ईश्वर, कर्म और सृष्टि
	Section 'D' पाणिनीय शिक्षा
Unit I	पाणिनीय शिक्षा (1-14 पद्य) सरलार्थ एवं व्याख्या
SECOND YEAR DSC-1C SKT-DSC-201 संस्कृत नाटक	
(A) Prescribed Course:	
Section 'A'	कर्णभारम् (सम्पूर्ण)
Section 'B'	अभिज्ञानशाकुन्तलम् – चतुर्थ अंक- कालिदास
Section 'C'	संस्कृत नाट्यशास्त्रीय पारिभाषिक शब्दावली
Section 'D'	संस्कृत नाटक का इतिहास तथा प्रमुख नाटकों का परिचय
(B) Unit-wise Division:	
	Section 'A' कर्णभारम् (सम्पूर्ण)
Unit I	कर्णभार नाटक का परिचय, सरलार्थ, व्याख्या, काव्य सौष्ठव और कथावस्तु।
Unit II	हिन्दी व्याकरण, हिन्दी से संस्कृत में सरल अनुवाद
	Section 'B' अभिज्ञानशाकुन्तलम् – चतुर्थ अंक- कालिदास
Unit I	चतुर्थ अंक (क) परिचय, नान्दी, प्रस्तावना, सूत्रधार, नटी, विष्कम्भक, विदूषक और कंचुकी आदि पारिभाषिक शब्दों की व्याख्या।

Unit II	चतुर्थ अंक (ख) व्याकरण, सरलार्थ, व्याख्या, काव्य सौष्ठव और कथावस्तु तथा घटनाक्रम का समय निर्धारण एवं प्रकृति का मानवीकरण, अभिज्ञानशाकुन्तलम् का मनोवैज्ञानिक विश्लेषण, काव्येषु नाटकं रम्यम्, उपमा कालिदासस्य उक्तियों की समीक्षा।
	Section 'C' संस्कृत नाट्यशास्त्रीय पारिभाषिक शब्दावली
Unit I	नाटक, नायक, नायिका, पूर्वरंग, सूत्रधार, नेपथ्य।
Unit II	अंक, स्वगत, प्रकाश, अपवारित, जनान्तिक, आकाशभाषित, प्रवेशक एवं भरतवाक्य।
	Section 'D' संस्कृत नाटक का इतिहास तथा प्रमुख नाटकों का परिचय
Unit I	संस्कृत नाटकों का उद्भव और विकास।
Unit II	प्रमुख नाटक एवं नाटककार (भास, कालिदास, शूद्रक, विशाखदत्त, हर्ष, भवभूति तथा उनकी रचनाएँ।
CONDYEAR C-1D T-DSC-202 संस्कृत व्याकरण	
(A) Prescribed Course:	
Section 'A'	लघुसिद्धान्तकौमुदी – संज्ञा प्रकरण
Section 'B'	लघुसिद्धान्तकौमुदी – संधि प्रकरण
Section 'C'	लघुसिद्धान्तकौमुदी – विभक्ति प्रकरण
Section 'D'	लघुसिद्धान्तकौमुदी – स्त्री प्रत्यय
(B) Unit Wise Division :	
	Section 'A' लघुसिद्धान्तकौमुदी – संज्ञा प्रकरण
Unit I	संज्ञा प्रकरण
	Section 'B' लघुसिद्धान्तकौमुदी – संधि प्रकरण
Unit I	अच् संधि – यण्, गुण, दीर्घ, अयादि, वृद्धि और पूर्वरूप संधि।
Unit II	हल् संधि – श्रुत्व, घृत्व, अनुनासिकत्व, छत्व और जश्त्व।
Unit III	विसर्ग संधि – उत्त्व, सत्व, रूत्व, लोप।
	Section 'C' लघुसिद्धान्तकौमुदी – विभक्ति प्रकरण
Unit I	विभक्त्यर्थ प्रकरण तथा अनुवाद
	Section 'D' लघुसिद्धान्तकौमुदी – स्त्री प्रत्यय
Unit I	ङीप्, टाप्, ऊङ्

SECONDYEAR SEC-1 SKT-AEEC-205 आयुर्वेद के मूल सिद्धान्त	
(A) Prescribed Course:	
Section 'A'	आयुर्वेद का परिचय
Section 'B'	चरकसंहिता (सूत्र स्थानम्)
Section 'C'	तैत्तिरीयोपनिषद्
Section 'D'	अष्टांगहृदयम् (स्वस्थवृत्त)
(B) Unit-Wise Division:	
	Section 'A' आयुर्वेद का परिचय
Unit I	आयुर्वेद का परिचय, औषधि विज्ञान का चरक पूर्वकालीन इतिहास, आयुर्वेद की दो शाखाएँ (धन्वन्तरि और पुनर्वसु)
Unit II	आयुर्वेद के प्रमुख आचार्य (चरक, सुश्रुत, वाग्भट्ट, माधव, शारङ्गधर और भावमिश्र)
	Section 'B' चरकसंहिता (सूत्र स्थानम्)
Unit I	षड्ऋतुओं में काल विभाग तथा शरीर एवं प्रकृति की अवस्था। हेमन्त, शिशिर, वसन्त, ग्रीष्म, वर्षा और शरद ऋतुओं में रहन-सहन और आहार सम्बन्धी नियम।
	Section 'C' तैत्तिरीयोपनिषद्
Unit I	भृगुवल्ली – अनुवाक् 1-3
	Section 'C' अष्टांगहृदयम् (स्वस्थवृत्त)
Unit I	अष्टांगहृदयम् (स्वस्थवृत्त)
SECONDYEAR SEC-2 SKT-AEEC-206 संस्कृत छन्द एवं गायन	
(A) Prescribed Course:	
Section 'A'	छन्द-शास्त्र का सामान्य इतिहास
Section 'B'	छन्दों के प्रकार और तत्त्व
Section 'C'	Se चुने हुए वैदिक छन्दों का विश्लेषण और गान पद्धति
Section 'D'	चुने हुए शास्त्रीय छन्दों का विश्लेषण और गान पद्धति
(B) Unit-Wise Division	
	Section 'A' छन्द-शास्त्र का सामान्य इतिहास
Unit I	छन्द-शास्त्र का सामान्य इतिहास
	Section 'B' छन्दों के प्रकार और तत्त्व



Unit I	अक्षरवृत्त, वर्णवृत्त, मात्रावृत्त, लघु और गुरु
Unit II	गणविचार
	Section 'C' चुने हुए वैदिक छन्दों का विश्लेषण और गान पद्धति
Unit I	निम्न छन्दों के लक्षण, उदाहरण, विश्लेषण और गीतात्मक सिद्धान्त – गायत्री, उष्णिक्, अनुष्टुप्, बृहती, पंक्ति, त्रिष्टुप् और जगती।
	Section 'D' चुने हुए शास्त्रीय छन्दों का विश्लेषण और गान पद्धति
Unit I	निम्न छन्दों के लक्षण, उदाहरण, विश्लेषण और गीतात्मक सिद्धान्त – भुजंगप्रयात, हरिगीतक, विद्युन्माला, अनुष्टुप्, आर्या, मालिनी, शिखरिणी, वंसततिलका, मन्दाक्रान्ता, स्रग्धरा, पंचचामरा

THIRDYEAR	
DSE-1A	
SKT-DSE-301	
व्यक्तित्व विकास का भारतीय दृष्टिकोण	
(A) Prescribed Course:	
Section 'A'	ऐतिहासिक दृष्टिकोण
Section 'B'	व्यक्ति की अवधारणा
Section 'C'	व्यक्ति के प्रकार
Section 'D'	व्यवहार सुधार के मापदण्ड
(B) Unit Wise Division :	
	Section 'A' ऐतिहासिक दृष्टिकोण
Unit I	ऋग्वेद- 1.164.37 छान्दोग्योपनिषद् – 6.2.3, 6.8.6, 8.1.4 बृहदारण्योपनिषद्- 2.5.18-19
	Section 'B' व्यक्ति की अवधारणा
Unit II	व्यक्ति की अवधारणा – श्रीमद्भगवद्गीता अध्याय 7 (पद्य 1-30, जीव की अष्टधा प्रकृति)
	क्षेत्र और क्षेत्रज्ञ – श्रीमद्भगवद्गीता अध्याय – 13 (श्लोक 1-2, 5-6, 19-23) क्षर और अक्षर – अध्याय 15 (श्लोक 7-11, 16-19)
	Section 'C' व्यक्ति के प्रकार
Unit III	व्यक्ति के प्रकार - श्रीमद्भगवद्गीता अध्याय-14 (श्लोक 5-14) अध्याय-17 (श्लोक 2-6, 11-21)
	Section 'D' व्यवहार सुधार के मापदण्ड

Unit IV	व्यवहार सुधार के प्रकार - मन और इन्द्रियों का नियन्त्रण श्रीमद्भगवद्गीता अध्याय – 2 (श्लोक 59-60, 64-68) अध्याय – 3 (श्लोक 41-43) अध्याय – 6 (श्लोक 19-23) सम्यक् आस्था - श्रीमद्भगवद्गीता अध्याय -9 (श्लोक 3, 22-28, 30-34) स्वधर्म की पहचान, अन्तरात्मा की आवाज़ - श्रीमद्भगवद्गीता अध्याय -2 (श्लोक 31,41-44, अध्याय – 3 श्लोक 4,5,8,9, 27-30, 33-34 अध्याय – 4 श्लोक 18-22)
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THIRDYEAR

DSE-1B

SKT-DSE-302

साहित्यिक समालोचना

(A) Prescribed Course:

Section 'A'	काव्य प्रकाश – काव्य वैशिष्ट्य, काव्य प्रयोजन, काव्य हेतु, स्वरूप
Section 'B'	काव्य प्रकाश – काव्य भेद
Section 'C'	काव्य प्रकाश – शब्दशक्तियाँ (अभिधा, लक्षणा, व्यञ्जना)
Section 'D'	रस विवेचन

(B) Unit Wise Division :

	Section 'A' काव्य प्रकाश – काव्य वैशिष्ट्य एवं काव्य प्रयोजन
Unit I	काव्य प्रकाश – काव्य वैशिष्ट्य, काव्य प्रयोजन, काव्य हेतु, स्वरूप
	Section 'B' काव्य प्रकाश – काव्य भेद
Unit I	काव्य प्रकाश – काव्य भेद
	Section 'C' काव्य प्रकाश – शब्दशक्तियाँ
Unit I	काव्य प्रकाश – शब्दशक्तियाँ (अभिधा, लक्षणा, व्यञ्जना)
	Section 'C' रस विवेचन
Unit I	रस की परिभाषा एवं प्रकार । प्रथम तीन रसों (शृंगार, हास्य तथा करुण रस) का विवेचन।

THIRDYEAR

GE-1

SKT-GE-303

पातञ्जल योगसूत्र

(A) Prescribed Course:

Section 'A'	योगदर्शन की पृष्ठभूमि
Section 'B'	पातञ्जल योगसूत्र – समाधि पाद

Section 'C'	पातञ्जल योगसूत्र – साधन पाद
Section 'D'	पातञ्जल योगसूत्र – विभूति पाद
(B) Unit-Wise Division	
	Section 'A' योगदर्शन की पृष्ठभूमि
Unit I	योगदर्शन की पृष्ठभूमि, योग के विभिन्न प्रकारों का सामान्य परिचय, योग की उपादेयता।
	Section 'B' पातञ्जल योगसूत्र – समाधि पाद
Unit I	समाधि पाद सूत्र (1-15)
Unit II	समाधि पाद सूत्र (16-19)
	Section 'C' पातञ्जल योगसूत्र – साधन पाद
Unit I	साधन पाद सूत्र (29-45)
Unit II	साधन पाद सूत्र (46-55)
	Section 'D' पातञ्जल योगसूत्र – विभूति पाद
Unit I	विभूति पाद सूत्र (सम्पूर्ण)

THIRDYEAR	
GE-2 SKT-GE-304	
(A) Prescribed Course:	
Section 'A'	भाषा विज्ञान का परिचय और भाषाओं का वर्गीकरण
Section 'B'	ध्वनि विज्ञान और स्वर विज्ञान
Section 'C'	रूप विज्ञान और वाक्य रचना
Section 'D'	अर्थ विज्ञान
(B) Unit-Wise Division:	
	Section 'A' भाषा विज्ञान का परिचय और भाषाओं का वर्गीकरण
Unit: I	भाषा विज्ञान और भाषा परिचय
Unit: II	भाषाओं का वर्गीकरण और भारत में भाषा परिवार
	Section 'B' ध्वनि विज्ञान अध्ययन - ध्वनि और स्वर विज्ञान सांवाहक, श्रावणिक, औच्चारणिक ध्वनि विज्ञान
Unit I	वाग्यन्त्र और उनसे निकलने वाली ध्वनियाँ

	Section 'C' शब्द और वाक्य अध्ययन – रूपविज्ञान और स्वर विज्ञान
Unit 1	रूपिम, उपसर्ग, मध्य प्रत्यय, अन्त्य प्रत्यय
	Section 'D' अर्थ विज्ञान, अर्थ की प्रतीति के प्रकार, शब्द और अर्थ का सम्बन्ध
Unit 1	अर्थ परिवर्तन के प्रकार

THIRDYEAR SEC-3 SKT-AEEC-305 भारतीय रंगशाला	
(A) Prescribed Course:	
Section 'A'	भारतीय रंगशाला का इतिहास एवं परम्परा
Section 'B'	भारतीय रंगशाला – निर्माण एवं प्रकार
Section 'C'	अभिनय – आंगिक, वाचिक, सात्त्विक एवं आहार्य
Section 'D'	नाटक – वस्तु, नेता और रस
(B) Unit-Wise Division:	
	Section 'A' भारतीय रंगशाला का इतिहास एवं परम्परा
Unit I	विभिन्न कालखण्डों में रंगमंच का उद्भव और विकास – प्रागैतिहासिक तथा वैदिक काल
Unit II	महाकाव्य एवं पौराणिक काल – राजदरबार रंगमंच, देवालय रंगमंच, मुक्त रंगमंच (खुला) आधुनिक रंगमंच, लोक रंगमंच, राष्ट्रीय एवं राज्यस्तरीय रंगमंच।
	Section 'B' रंगशाला – निर्माण एवं प्रकार
Unit I	रंगशाला – निर्माण एवं प्रकार
	Section 'C' अभिनय – आंगिक, वाचिक, सात्त्विक एवं आहार्य
Unit I	अभिनय – आंगिक, वाचिक
Unit II	सात्त्विक एवं आहार्य।
	Section 'D' नाटक – वस्तु, नेता और रस
Unit I	वस्तु
Unit II	नेता
Unit III	रस

HIRDYEAR EC-4 KT-AEEC-306	
(A) Prescribed Course:	
Section "A"	टोडरमल का वास्तुसौख्यम्
Section "B"	टोडरमल का वास्तुसौख्यम्
Section "C"	टोडरमल का वास्तुसौख्यम्
Section "D"	टोडरमल का वास्तुसौख्यम्
(B) Unit-Wise Division	
	Section "A" टोडरमल का वास्तुसौख्यम्
Unit 1	वास्तुसौख्यम् – अध्याय – 1 वास्तुप्रयोजनम्, वास्तुस्वरूप (पद्य 4-13)
Unit 2	वास्तुसौख्यम् – अध्याय – 2 भूमि परीक्षणम्, दिक्साधनम्, निवासहेतु, स्थाननिर्वचनम् (पद्य 14-22)
	Section "B" टोडरमल का वास्तुसौख्यम्
Unit 1	वास्तुसौख्यम् – अध्याय – 3 गृहपर्यावरणम्, वृक्षारोपणम्, शल्यशोधनम् (पद्य 31-49, 74-82)
Unit 2	वास्तुसौख्यम् – अध्याय – 4 षडवर्गपरिशोधनम्, वास्तुक्रम, शिलान्यासम्, गृहवास्तु (पद्य 83-102, 107-112)
	Section "C" टोडरमल का वास्तुसौख्यम्
Unit 1	वास्तुसौख्यम् – अध्याय – 6 पंचविधानि गृहाणि, शाला-आलिन्दप्रमाणम् (पद्य 171-194) वीथिका प्रमाणम् (पद्य 195-196)
Unit 2	वास्तुसौख्यम् – अध्याय – 7 द्वारज्ञानम्, स्तम्भप्रमाणम्, पंचचतुशालानि गृहाणि, सर्वतोभद्रम्, नद्यावर्तम्, वर्धमानम्, स्वास्तिकम्, रुचकम् (पद्य 203-217)
	Section "D" टोडरमल का वास्तुसौख्यम्
Unit 1	वास्तुसौख्यम् – अध्याय – 8 एकाशीति पद, वास्तुचक्रम् (पद्य 287-302) मर्मस्थानानि (पद्य 305-307)
Unit 2	वास्तुसौख्यम् – अध्याय – 8 वासादिसन्निरूपणम्, द्वारफलम्, द्वारवेधफलम् (पद्य 322-335, 359-369)

**(9) MUSIC**

COURSE CODE MUSA101TH

B.A.1<sup>st</sup> Year

Layout & Course of Study

HINDUSTANI MUSIC (Vocal & Instrumental)

Duration	Paper-I Theory (Unit-I)	Max Marks	Credits
3 hours.		50(35+15Assesment)	3

Title-Theory of Indian Music

There will be three sections, candidates shall have to answer one question from each section & two from any of the three sections, thus five questions in all.

SECTION-I

1. Definition of the following terms:- Swara, Sangeet, Saptak, Laya, Rāga, Varna
- a. Study of the following:-Jatis of Raga- Audav – Shadav – Sampuran
- b. Nāḍ – NāḍkiJati – Tarta, Tivrata, Gun
- c. Āroha, Avroha, Pakad
2. Basic knowledge of the following instruments:-Tānpura, Sitar, Tabla, Harmonium

SECTION-II

Biographies & Contributions of the following-

Tansen, UstadShahidParvez, UstadZakir Husain, Ustad Amir Khan (Vocal)

SECTION-III

Study of prescribed Rāgas&Tālas

Rāga – AlhaiyaBilawal, Kafi, Bhairav

Tāla – Teentāl, Dadra

COURSE CODE MUSA102PR

Hindustani Music

Paper-I Practical (Unit-II)

Title-Stage-Performance

3Lectures/ week

Max Marks Credit 3

50(35+15 Assesment)

Rāga –AlhaiyaBilawal, Kafi, Bhairav

Vocal Music

- a. Five Alankars in all the Rāgas.
- b. SargamGeet in ant two Rāgas
- c. Lakshangeet or DrutKhyāl in all Rāgas.

Instrumental Music

- a. Five Alankars in all the Rāgas.
- b. Razakhani (Drutgat) in all the Rāgas
- c. Basic technique of Mizrab's Bol.

Vocal & Instrumental

Ability to recite the following Thekas with Tāli&Khāli

Teentāla, Dadra

Vocal - Playing of Tanpura is compulsory

Basic knowledge of Playing Alankars on Harmonium Books Recommended

1. SwarBharti- Dr.Gian Chand
2. SangeetPrabodhika- Dr P.N.Bansal, Dr Gian Chand
3. BhatkhandeSangeetShastra- V. N. Bhatkhande
4. SangeetParvah- Dr Gian Chand. Dr Dev Raj Sharma
5. KramikPustakMallika- Part II V. N. Bhatkhande
6. RaagVigyan – V. N. Patwardhan

7. Sangeet Bodh – Sharad Chandra Pranjpayee

COURSE CODE MUSA103TH  
Hindustani Music (Vocal/Inst.)  
B.A.1<sup>st</sup> Year

Duration	Paper-II Theory (Unit-I)	Max Marks	Credits
3 hours		50 (35 + 15 Assessment)	3
Title -Indian Music General & Biographies			
There will be three sections, candidates shall have to answer one question from each section & two from any of the three sections , thus five questions in all.			

SECTION-I

Study of the following terms:-

Mela (Thāt), Āshray Rāga, Rāga Lakshana, Shruti, Alankar, Gamak, Vadi-Samvādi-Anuvādi-Vivādi, Vakra Swara, Varjit-Swara.

SECTION-II

Biographies & contributions of the following:-

Pt. Jaidev, Ustad Abdul Karim Khan, Pt. Bhatkhande, Pt. Ravi Shankar

SECTION-III

Study of following Rāgas & Tāla

Rāga- Yaman, Bhoopali, Bihag

Tāla- Ektāl, Jhaptāl

COURSE CODE MUSA104PR  
Hindustani Music  
Paper-II Practical (Unit-II)  
Title -Viva-Voce

Max Marks 50 (35+15 Assessment) Credits 3

Rāga – Yaman, Bhoopali, Bihag

Vocal Music

a. Swaramalika/Sargamgeet in any one of three Rāgas

b. Drut- Khāyal in all Rāgas.

Instrumental Music

a. Sargamgeet / Swaramalika in any one of three Rāgas

b. Razakhani gat in all of the Rāgas

Vocal & Instrumental

Ability to recite the following Tālas with Tāli & Khāli with Thah and Dugun

1. Ektāl

2. Jhaptāl

Vocal - Playing of Tanpura is compulsory

Basic knowledge of Playing Sargam Geet on Harmonium

Books Recommended

1. Sangeet Visharad – Basant
2. Kramik Pustak Mallika- Part II & III
3. Raag Vigyan – V. N. Patwardhan
4. Brihaddeshi – Matang Muni
5. Sangeet Bodh – Sharad Chandra Pranjpayee
6. Great Composers by P. Sambamoorthy
7. Hamare Sangeet Ratna- Laxmi Narayan Garg
8. Hindustani Sangeet Mein Raag ki Utpatti – Dr. Sunanda Pathak

9. SangeetSarita - Dr. Rama Saraf
10. RaginiTrivedi - RagvibodhaMishrabani, Vol. I & II
11. Raagparichaye Part1 & 2-Harish Chandershrivastava

COURSE CODE MUSA201TH  
Hindustani Music (Vocal/Inst.)

Paper-III  
B.A.2<sup>nd</sup> Year

Duration 3 hours

Theory (Unit-I)      50 (35 + 15 Assessment)      Max Marks Credits 3

Title- Ancient Granthas & contributions of Musicologists

There will be three sections, candidates shall have to answer one question from each section & two from any of the three sections thus five questions in all.

#### SECTION-I

General discussion and definition of the following:-

- a. Khyāl, MaseetKhani – Razakhani gat, Dhrupad, Tarana, Meend, Soot, Murki, Kan, Khatka, Krintan, Harmony, Melody
- b. Comparative study of Bhatkhande & Vishnugambir Paddhati (Notation System)
- c. Writing of Tālas & Compositions in Notation
- d. Detailed study of Rāgas (Rāga-Marū-Bihag, Malkauns, Vrindavani Sarang) & Tālas prescribed in syllabus and comparative study of Rāgas with the Rāgas of the previous semester
- e. Essay, Shastriya Sangeet (Classical Music) & Sugam Sangeet (Light Music)

#### SECTION-II

- a. General study of following granths-  
Natyashastra, Sangeet Ratnakar, Vrihadeshi

#### SECTION-III

Life & Contribution of the following:-

Pt. V. D. Paluskar, Swami Tyagraja, Pt. Sharangdev

COURSE CODE MUSA202PR  
Hindustani Music (Vocal/Inst.)

Paper-III Practical (Unit-II)  
Title-Stage Performance

Max Marks 50 (35+15 Assessment)

Credits 3

Rāga –, Malkauns, Marū-Bihag, Vrindavani Sarang

1. One Vilambit Khyāl/Maseetkhani Gat in any of the prescribed Rāgas.
  2. Madhya Laya Khyāl/Razakhani Gat in all the Rāgas.
  3. Ability to recite the Thekas, Dugun & Chaugun of Chautāla, Dhamar, Roopak, Jhaptal
- Playing of Tanpura is compulsory.  
Basic knowledge of playing Harmonium with Alankars or Bhajan.

#### Books Recommended

1. Sangeet Asanjan- Dr Gian Chand
2. Sangeet Sahar- Dr Gian Chand
3. Sangeet Visharad- Basant
4. Bhartiya Sangeet Kaitihas – Thakur Jaidev
5. Sangeet Ratnakar – Sharangdeva
6. Sangeet Bodh- Sharad Chandra Pranjpayee
7. Indian Music – Thakur Jaidev Singh
8. Kramik Pustak Mallika – V. N. Bhatkhande, Part II & III



9. RaagVigyan – V. N. Patwardhan
10. RaginiTrivedi - RagvibodhaMishrabani, Vol. I & II
11. Shanti Goverdhan-SangeetShastraDarpan-Part 1-3,
12. Taalparichaya Part 1, Girish Chandra Shrivastav

**COURSE CODE MUSA203TH**

Hindustani Music

B.A.2<sup>nd</sup> Year

Duration	Paper-IV Theory (Unit-I)	Max Marks	Credits
3 hours		50 (35 + 15 Assessment)	3

Title-Medieval Granthas& Contributions of Musicians.

There will be three sections, candidates shall have to answer one question from each section & two from any of the three sections thus five questions in all.

**SECTION-I**

Theory of Indian Music-

General discussion & definition of the following:-

- a. Ālāp- Jor- Jhāla, Thumri, Dādra, Tappa, SandhiPrakashRāga, ParmelpraveshakRāga-
- b. Detailed study of Rāgas ( RāgaBageshree, Jaunpuri , MiyanMalhar ) s
- c. Study of following Tālas(Chautāla , Rupak, Kherva)
- d. Essay on RāgakaSamaySiddhant

**SECTION-II**

Study of following Granthas:-

Sangeet-Parijat, SwarmelKalanidhi, ChaturdandiPrakshika.

**SECTION-III**

Life & Contributions of the following:-

VidushiKishoriAmonkar, Pt.Nikhil Banerjee, UstadVilayat Khan

**COURSE CODEMUSA204PR**

Hindustani MusicPaper-IV Practical (Unit-II)

Title-Viva-Voce

3 lectures/ week

Max Marks50(35+15 Assessment) Credits 3

Rāga – Bageshri, Jaunpuri, MiyanMalhar

1. One VilambitKhyāl/ MaseetKhani Gat in any of the Rāgas.
2. MadhyalayaKhyāl/ Razakhani Gat in all the Rāgas.
3. Dhrupad/Dhamar in any one of the Rāgas or Drut Gat in any Tāla(other than Teentāla)
4. Ability to recite the Thekas of Chautāl, Rupak, Kaherva ,
5. Knowledge of playing National Anthom or Himachali Folk songs on Harmonium/Sitar.

**Books Recommended**

1. Kaka Vahini- Dr Gian Chand
2. Sanget Vichayan- Dr Gian Chand
3. SangeetPaddhatiyonkaTulnatmakAdhayan – Pt. V. N. Bhatkhande
4. SangeetParijaat – Pt. Ahobal
5. Swarmel Kala Nidhi – Pt. Ramamatya
6. ChaturdandiPrakashika – Pt. VenkatMukhi

Syllabus of Elective Courses For B.A.(Prog.) Hindustani

Music Vocal/Instrumental/Dance

Choice Based Credit System

	Credits	Total Marks
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SEC -I	4	35+15=50
SEC -II	4	35+15=50
SEC -III	4	35+15=50
SEC -IV	4	35+15=50
DSE -1A	3	35+15=50
DSE -2A	3	35+15=50
DSE -1B	3	35+15=50
DSE -2B	3	35+15=50
GE -1	6	35+15=50
GE -2	6	35+15=50
	40	

COURSE CODE MUSA205PR  
SEC-I SKILL ENHANCEMENT COURSE-I  
HINDUSTANI MUSIC(VOCAL/INSTRUMENTAL)  
Title-Presentation and Documentation-I

Credits-4

1. Understanding various parts of Tanpura/Sitar and the technique of tuning it.
2. Field visit to Doordarshan/All India Radio/National Archives/SangeetNatak Academy/State & District fairs or other such institution relevant to the study and documentation of Music material and thereafter submission of report based on this visit.
3. Presentation of Vocal and Instrumental Music in group such as folk or tribal Music, Light Music, Classical ragas based on film songs.

COURSE CODE MUSA206PR  
SEC-II SKILL ENHANCEMENT COURSE-II  
HINDUSTANI MUSIC(VOCAL/INSTRUMENTAL)  
Title-Presentation and Documentation-II

Credits-4

1. Ability to play thekas of following Talas on Tabla -Teental, Kaherwa.
2. Knowledge of operating sound system.
3. Attending classical concerts/Music festivals and making the report/Review of the same.

COURSE CODE MUSA301PR  
SEC-III SKILL ENHANCEMENT COURSE-III  
HINDUSTANI MUSIC(VOCAL/INSTRUMENTAL)  
Title-Presentation and Documentation-III

Credits-4

2 Lectures per week

1. Power point presentation by the students on the Contemporary Classical Music Performance.
2. Basic technique of Harmonium and Tabla Playing.
3. Visit to All India Radio/Doordarshan, State festival and TV Channels.

COURSE CODE MUSA302PR  
SEC-IV SKILL ENHANCEMENT COURSE-IV  
HINDUSTANI MUSIC(VOCAL/INSTRUMENTAL)  
Title-Presentation and Documentation-IV

Credits-4

1. Composing Music for Patriotic songs.
2. Powerpoint presentation on the Life and Contributions of great Musicians.

3. Attending Music Conferences/Listening of Radio SangeetSammelans and listening of Audio/Visual adds National Programmes of Music and writing reviews or reports of the same.
4. Skill Enhancement Course - SEC-I, SEC-II, SEC-III, SEC-IV

(Value based and practical oriented courses as per the information given)

[Note: the above SEC courses have been designed in such a way that the performance aptitude or skill of the students is enhanced with the help of field visits, recording techniques and guided listening sessions]

COURSE CODE MUSA303TH  
DISCIPLINE SPECIFIC  
ELECTIVE ( DSE-1A) Unit-1  
VOCAL/INSTRUMENTAL (HINDUSTANI MUSIC)

Credits 3

Title-Theory of Indian Music and study of ancient granthas and Rāgas.

There will be three sections, candidates shall have to answer one question from each section & two from any of the three sections thus five questions in all.

SECTION-I

1. Essays on the following topics
  - a. Folk music of H.P.
  - b. Modern trends in music
2. The relevance of time theory in Hindustani Classical Music
3. Biographies of Following Musicians
  - a. Pt. BhimSen Joshi
  - b. LataMangeshkar

SECTION-II

4. Study of Gram, Murchanna and Jati as treated in NatyaShastra and its relevance in present context.
5. Discuss the following:-
  - a. Avirbhav, Tirobhav, GayakKe Gun Avagun c. MargiDesi
  - d. Tāl and Ten Prans of Taal (Das Praan)

SECTION-III

6. Basic Knowledge of stringed instrument used in Hindustani Classical Music
7. Write the Theka of Teental along with dugun, tigun and Chaugun
8. Make a diagram of Taanpura/Sitar and level its sections

Internal Assessment 15 Marks

Books Recommended

- 1) Naad Kanchan- Dr P.N.Bansal, Dr Gian Chand
- 2) Swaranjan- Dr Gian Chand
- 3) BhartiyaSangeetVadya- Dr Lalmani Mishra
- 4) Raag Sanchayita- Dr Gian Chand, Dr Dev Raj Sharma
- 5) Gyananjali- Dr Gian Chand
- 6) Sangeet Kaldarshi- Dr Gian Chand

COURSE CODE MUSA304PR  
DISCIPLINE SPECIFIC  
ELECTIVE (DSE-1A) Unit-2  
VOCAL/INSTRUMENTAL (HINDUSTANI MUSIC)  
Title-PRACTICAL

Max Marks( 35+15)=50 Credits3

Rāga – Todi, Bhairavi, Darbari-kanahda

1. One VilambitKhyāl/ MaseetKhani Gat in any of the Rāgas.
2. MadhyalayaKhyāl/ Razakhani Gat in all the Rāgas.
3. Dhrupad/Dhamār in any one of the Rāgas or Dhrut Gat in any Tāla (other than Teentāla)
4. Ability to recite the Thekas and Different laykaris of Teentāla, Ektāla, Chautāla, Dadra
5. Innovative singing/playing to enhance the musical ability of the students in the classroom.
6. Guided listening session on the practical aspects of music.

COURSE CODE MUSA305TH

DISCIPLINE SPECIFIC

ELECTIVE ( DSE-1B) Unit-1

VOCAL/INSTRUMENTAL (HINDUSTANI MUSIC)

Title-Theory of Indian Music and Gharana tradition

Max Marks 50 (35 + 15) Credits 3

#### SECTION-I

1. Definition of the following:-  
Nibadha, Anibadha, Prabandha, Kaku, Sthaya, Varna, Orchestra (Vadyavirind), Chorus (Virindgana)

#### SECTION-II

2. Basic knowledge of percussion instruments used in classical music Tabla & Pakkawaj
3. Describe basic 10 thaats.
4. Write about the Gharanaparampara of Hindustani Music
5. Forms of Music – Thumri, Tappa, Dadra, Chaturang

#### SECTION-III

6. Write the Thekas of Ektaal, Chautal, Deepchandi Dhamar along with Dugun, Tigan and Chaugun
7. Essay on following topics  
(a) Classical Music and Film Music  
(b) Music and Aesthetics

#### Books Recommended

- 1) Naad Kanchan- Dr P.N. Bansal, Dr Gian Chand
- 2) Bhartiyasangeetketantrik Vadya- Dr Praksah Mahadik
- 3) Sangeetkegharanoki Characha- Dr Sushil Kumar Chaube
- 4) Indian concept of Rhythm – Dr A.K. Sen
- 5) Aesthetical Essays (Study in Aesthetics Theory Hindustani Music and Kathak Dance) – Dr S.K. Saxena
- 6) History of Indian Classical music- Dr Surender Sharma & Dr Anjali Sharma

COURSE CODE MUSA306PR

DISCIPLINE SPECIFIC

ELECTIVE ( DSE-1B) Unit-2

VOCAL/INSTRUMENTAL (HINDUSTANI MUSIC)

Title-PRACTICAL

Max Marks 50 (35+15) Credits 3

#### Rāga – Bhimpalasi, Des, Puriya Dhanashri

- a. One VilambitKhyāl/ MaseetKhani Gat in any of the Rāgas.
- b. MadhyalayaKhyāl/ Razakhani Gat in all the Rāgas.
- c. Dhrupad/Dhamar in any one of the Rāgas or
- d. Dhrut Gat in any Tāla (other than Teentāla)
- e. Ability to recite the following Thekas  
Tilwada, Jhaptāla, Dhamar, Roopak, Keherva
- f. Singing/playing Devotional songs Shabad/Bhajan with Harmonium.
- g. Knowledge of 5 film songs each in Raags, “Bhairavi and Malkauns”
- h. Guided listening sessions on the performing aspects of Music.

COURSE CODE MUSA307TH

GE- I GENERIC ELECTIVE

VOCAL/INSTRUMENTAL

Title-Theory of Indian Music and Folk Music of Himachal Pradesh  
Marks-(70+30)= 100 Credit-6

- 1 Folk songs of Himachal Pradesh
- 2 Knowledge of Folk instruments of Himachal Pradesh: Rannsingha, Nagara, Shehnai, Karnal
- 3 Biographies of the following Musicians of Himachal Pradesh Pt. Som Dutt Battu, Hetram Tanwar, Kashmiri Lal
- 4 Introduction of the following Ragas with illustrations:-Bhairav, Yaman
- 5 Introduction of the following Talas with their divisions:-Teentaal, Dadra
- 6 Essay on the following Topics:- Music and Culture  
Impact of Music in Human life.

- 3) GE - I (Generic Elective) Theory
- 1) SangeetSahar- Dr. Gian Chand
- 2) BhatkandeSangeetShastra - Pt. V. N. Bhatkande
- 3) HamareSangeetRatna - Dr. Lakshmi Narayan Garg
- 4) Sangeet Bodh - Sharat Chandra Paranjpay
- 5) SangeetVisharad - Vasant
- 6) Great Composers - P. Sambamurthi

COURSE CODE MUSA308PR  
GE- 2GENERIC  
ELECTIVEVOCAL /INSTRUMENTAL  
Title-PRACTICAL

Marks-(70+30)= 100 Credit-6

1. Raag Bhairav, Yaman
2. Taals Teentaal, Dadra
3. Guided listening sessions of classical vocal/instrumental music.

Instrumental Music:-

1. Aaroh, Avroh and Pakad in both the ragas.
2. Basic strokes of sitar
3. Five Alankars based on stroke patterns
4. One Razakhani Gat/Drut Gat in any of the Prescribed ragas
5. Elementary knowledge of Jhala playing

Vocal Music:-

1. Aaroh, Avroh and Pakad in both the ragas.
2. Knowledge of voice culture
3. Five Alankars
4. One SwarMalika/Drutkhyal in any of the prescribed ragas
5. Variety of Taan patterns

## (10) SOCIOLOGY

BA-1<sup>st</sup> Year

Core Course: DSC-1A

Course Code: SOCL - A 101

Course: Introduction to Sociology

### COURSE CONTENTS

Unit	Topics
I	Sociology: Meaning; History of Sociology (Origin and Development); Nature and Significance.
II	Scope and Subject Matter: Scope and Subject Matter of Sociology; Relationship of Sociology with Anthropology, History and Psychology.

III	Basic Concepts: Society; Community; Institutions and Associations (Meaning and Characteristics); Status and Role (Meaning, Characteristics and Relationship).
IV	Sociological Concepts: Socialization (Meaning and Agencies); Culture (Meaning, Characteristics and Types); Social Change (Meaning, Characteristics and Factors of Social Change); Social Groups (Meaning, Characteristics and Types- Primary and Secondary Groups).

Core Course: DSC-2A

Course Code: SOCL - A 102

Course: Society in India

#### COURSE CONTENTS

Unit	Topics
I	India as a Plural Society: Meaning and Characteristics of Plural Society; Traditional Basis of Indian Society; Unity and Diversity.
II	Social Institutions: Caste; Class; Tribe; Family; Marriage and Kinship (Meaning and Characteristics).
III	Identities and Change: Dalit's Movement (Issues, Causes and Consequences); Women's Movement (Issues, Causes and Consequences); Policies and Programmes for the upliftment of Dalits and Women.
IV	Challenges to State and Society: Communalism; Secularism and Casteism (Meaning, Causes and Remedies).

BA-2<sup>nd</sup> Year

Core Course: DSC-1C

Course Code: SOCL - A 201

Course: Sociological Theories

#### COURSE CONTENTS

Unit	Topics
I	August Comte: (i) Law of Three Stages (ii) Hierarchy of Sciences
II	(i). Dialectical Materialism; Materialistic Interpretation of History (ii). Class and Class Struggle
III	(i). Social Action (Meaning, Characteristics and Types) (ii). Power and Authority
IV	(i). Function of Religion (Meaning, Beliefs, Rituals, Sacred, Profane, Totemism and Function) (ii). Social Solidarity (Meaning, Characteristics and Types)

Core Course: DSC-2C

Course Code: SOCL - A 202

**Course: Methods of Sociological Enquiry**

**COURSE CONTENTS**

Unit	Topics
I	Logic of Social Research: (i) Meaning, Steps and Types of Social Research, (ii) Objectivity and Subjectivity in Social Research.
II	Methodological Perspectives: (i) Scientific Method (ii) Comparative Method; Case Study Method
III	Modes of Enquiry: (i) Theory and Research (ii) Theory and Fact
IV	Tools of Data Collection: (i) Observation and Interview Method (ii) Interview Schedule and Questionnaire

BA-2<sup>nd</sup> Year

Core Course: SEC-1

Course Code: SOCL - A 203

**Course: Techniques of Social Research**

**COURSE CONTENTS**

Unit	Topics
I	Research Design: (i) Meaning, Characteristics, Types and Need of Research Design (ii) Hypothesis (Meaning, Characteristics and Types)
II	Data Collection: (i) Primary and Secondary Sources of Data Collection (ii) Sampling (Meaning, Characteristics and Types)
III	Data Analysis: (i) Coding and Tabulation (ii) Analysis and Interpretation of Data
IV	Statistical Analysis: (i) Measures of Central Tendency: Mean, Median and Mode (ii) Measures of Dispersion: Standard Deviation

BA-2<sup>nd</sup> Year

Core Course: SEC-2

Course Code: SOCL - A 204

**Course: Sociology of Environment**

**COURSE CONTENTS**

Unit	Topics
I	Concept and Meaning: (i). Environment and Society (ii). Need and Importance of Sociology of Environment
II	Environment and Resources: (i). Environment and Natural Resources (ii). Ecology, Ecosystem and Society
III	Development and Environment: (i). Industrialization, Urbanization and Environmental Degradation Depletion of Natural Resources and Pollution - Air, Water and Soil.

IV	Contemporary Environmental Concerns: (i). Deforestation and Ecological Crises Global Warming and Climate Change; Construction of Dams and its Impacts
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#### BA-3<sup>rd</sup> Year

Core Course: SEC-3

Course Code: SOCL - A 301

*Course: Social Demography*

#### COURSE CONTENTS

Unit	Topics
I	Meaning, Nature and Development of Social Demography (ii). Scope and Importance of Social Demography
II	Demographic Processes: (i). Fertility (Meaning and Causes) Mortality (Meaning and Causes); Migration (Meaning and Types)
III	Population Theories: (i). Malthusian Theory of Population Theory of Demographic Transition; Theory of Optimum Population
IV	Population Growth and its Impact: (i). Economic (Poverty and Unemployment) and Social (Housing and Slums) Consequences (ii). Environment (Pollution and Depletion of Resources); Population Policy in India

#### BA-3<sup>rd</sup> Year

Core Course: SEC-4

Course Code: SOCL - A 302

*Course: Theory and Practice of Development*

#### COURSE CONTENTS

Unit	Topics
I	Development: (i) Meaning, Characteristics and Dimensions of Development (ii) Social Change and Social Progress
II	Recent Trends in Development: (i) Global Inequalities in Development (Developed, Developing and Under Developed Nations) (ii) Human Development Theory: Growth vs Development.
III	Post Development Theory: (i) Gender and Development (GAD); Public Private Partnership (PPP) (ii) Participatory Development and Role of PRIs
IV	Sustainable Development: (i) Meaning, Characteristics and Strategies of Sustainable Development Environmental Discourse (Ecology, Ecosystem and Society); UN Earth Charter 1992

A-  
3<sup>rd</sup>  
Year

Core  
Course:  
DSE  
-1A

Course Code: SOCL - A 304

*Course: Marriage, Family and Kinship*

#### COURSE CONTENTS

Unit	Topics
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I	i. Meaning, Degree and Types of Kinship (ii). Descent and Alliance
II	Meaning, Characteristics and Significance of Marriage (ii). Types of Marriage
III	Family and Household: (i). Meaning, Characteristics and Types of Family Family and Household; Reimagining Family (Changing Structures)
IV	Contemporary Issues in Marriage, Family and Kinship: Emerging Family and Marriage Patterns in India Terms and Usages of Kinship and New Trends in Kinship

BA-3<sup>rd</sup> Year

Core Course: DSE-2A

Course Code: SOCL - A 305

*Course: Social Stratification*

#### COURSE CONTENTS

Unit	Topic
I	Meaning, Characteristics and Basis of Social Stratification (ii) Social Differentiation, Social Inequality and Hierarchy
II	Forms of Social Stratification: (i) Race and Ethnicity (ii) Caste, Class and Gender
III	Approaches of Social Stratification: (i) Karl Marx; Max Weber Talcott Parsons; Kingsley Davis & Wilbert E. Moore
IV	Social Mobility: (i) Meaning, Characteristics and Factors of Social Mobility (ii) Types of Social Mobility (Horizontal and Vertical)

#### Sociology Syllabus

BA-3<sup>rd</sup> Year

Generic Elective: 1

Course Code: SOCL - A 307

*Course: Polity and Society in India*

#### COURSE CONTENTS

Unit	Topics
I	Political Sociology: (i) Meaning, Nature and Characteristics of Political Sociology (ii) Scope and Significance of Political Sociology
II	Political Identities: (i) Caste as a Factor of Political Identity (ii) Religion and Ethnicity as Factors of Political Identity
III	Political Processes: (i) Democracy and Bureaucracy (ii) Power and Authority
IV	Protest and Resistance in Indian Politics: (i) Pressure and Interest Groups (ii) Farmers, Women and Dalit Movements

BA-3<sup>rd</sup> Year

Generic Elective: 2

Course Code: SOCL - A 308

*Course: Economy and Society*

#### COURSE CONTENTS

Unit	Topics
I	Economic Sociology: (i) Sociology of Economic Life (ii) Sociological Aspects of Economic Processes

II	Modes of Production: (i) Domestic and Peasants (ii) Capitalist and Socialist
III	Contemporary Issues: Impact on Society Development: Meaning and Indicators of Development; Global Trends of Development
IV	dustrial Society; Information, Communication, Technology and Society (ii) Social Security and Alienation

#### **DURATION OF PROGRAMME (TIME FRAME):**

- The Bachelor of Arts through ICDEOL is an academic programme with duration of three year. Provided that maximum of three attempts are allowed to the candidate to pass any course. Permission for blank year will have to be obtained by the students from Director, ICDEOL before the start of concerned year. However such candidate shall have to submit his/her admission renewal form and year fees at the beginning of concerned year failing which his/her admission shall stand cancelled.
- Undergraduate - Minimum 3 years is required to complete the Under Graduate Course. Students can complete the course with in 5 years from the date of registration.

#### **FACULTY AND SUPPORT STAFF REQUIREMENT:**

S.No.	Subject	Faculty Members
1.	ENGLISH	(Prof. Neelima Kanwar) (Dr. Ashwani Rana)
2.	PUBLIC ADMINISTRATION	Prof. P. K. Vaid Prof. L. R. Verma
3.	MATHEMATICS	(Prof. Hari Mohan) (Prof. Pardeep Kumar)
4.	ECONOMICS	Prof. Sanju Karol
5.	HISTORY	Dr. Malika Nadda Dr. Sharda Devi Dr. Ankush Bhardwaj
6.	HINDI	Dr. Manju Puri Dr. Usha Rani
7.	POLITICAL SCIENCE	Prof. Bhawana Jharta Dr. Mridula Sharda Dr. Yog Raj Dr. Joginder Singh Saklani
8.	SANSKRIT	Dr. Dev Raj Prof. Rajendra Sharma
9.	MUSIC	Prof. Jeet Ram Sharma Dr. Mritunjay Sharma
10.	SOCIOLOGY	Dr. Anjana Thakur Dr. Sonam Rohta

- Personal Contact Programmes on a regular basis, will be conducted by these experienced faculty members. Special lectures are conducted during the PCPs by the experienced faculty of Himachal Pradesh University as well as by the Resource Persons from other universities.

#### **INSTRUCTIONAL DELIVERY MECHANISMS:**

ICDEOL follows the following Instructional Delivery Mechanism:

- Printed Material: ICDEOL provides the course material in printed form to the learner which is supplied to the students well in time.

- Personal Contact Programme (PCP): Personal contact Programmes (PCP) is conducted well in advance in each year. Students utilize this facility fully and go for examinations well prepared. As a very important strategy of face to face classroom teaching, the interactions during Personal Contact Programmes benefit the students immensely.
- Self Learning Material (SLM): The printed material of the programme in the form of Self Learning Material (SLM) (Both in Hindi and English) will be supplied to the students during their enrolment to the course.
- In addition to above, online queries of the students are seriously taken up and responses are sent online to their satisfaction.

#### **STUDENTS SUPPORT SYSTEM**

- Face to face counseling of students will be held by different faculty members, online teaching aid and material will be provided; student's feedback will be filled online to evaluate the faculty members. Regular PCP are conducted as per the schedule of ICDEOL after completing all codal formalities of UGC. ICDEOL has established LPC (Learning Support Centre) at Rampur, Mandi & Dharmashala so that students can be benefitted at their door steps.

### **VI) PROCEDURES FOR ADMISSIONS, CURRICULUM TRANSACTION AND EVALUATION:**

#### **(a) Admission Policy**

- Target Group: Those who are not attending regular classes for different reasons and also the working professionals will be our target group of learners.
- Intake: There is no restriction on intake in B.A. course. All candidates who are eligible for admission are given admission in correspondence course.

#### **(b) Minimum Eligibility:**

- For BA Programme: +2 examinations under 10+2 or an equivalent examination conducted by a board/university established by law in India. The candidate should have passed in four written subjects including English.

#### **(c) Fee Structure:**

Course/Class	Fee for Students passing from H.P Board & to be registered with H.P University	Fee for Students already registered with H.P University	Fee for student coming from other university / Board & not regd. With H.P University
B.A.I Year	Rs.5000/-	Rs.4800/-	Rs.5050/-
BA II& III Year	Rs.3400/-	Rs.3400/-	Rs.3400/-

#### **(d) Financial Assistance:**

- The Himachali candidates belonging to the SC/ST category and women candidates of Himachal Pradesh will be allowed to enroll in ICDEOL in BA only by paying a fee of Rs. 500/- as ICDEOL Registration fee and a fee of Rs. 500/- for the hard copy course material. Such candidates shall be the student of ICDEOL for all purposes.
- Further, as per the order of Honorable High Court CWPIL No. 30g2011, the students with special needs with more than 40% disability admitted to any course of study running in the H.P.University, Shimla-5 will not be charged any fees.
- ICDEOL imparts instructions mainly through the medium of printed study material supplemented with seven days Personal Contact Programme in each semester. Efforts are afoot to equip our traditional libraries with stock of books.

#### **(e) Policy of Programme Delivery:**

- ICDEOL imparts instructions mainly through only printed material and PCP's are conducted regularly. Besides it ICDEOL also imparts through OLR( open learning resources) i.e. UGC –Swayam, Gyandarshan, MOOCs, Satyam, youtube etc.

#### **(f) Web Base Tools to be adopted:**

- Audios and videos of study material will be provided, students will be enrolled in university portal for online classes which will be conducted through different apps.

#### **(g) Activity Planner:**

- Prospectus: July/August & January/February
- Admissions: Twice in a year in Calendar Year(January-February) & Academic Year (June-July)
- PCP for Annual System (UG)

**(h) Policy for Evaluation of Learner Progress along with Methods & Tools:**

Medium of Instructions

- The medium of instructions at graduate level is in English/Hindi except in the subject of Hindi and Sanskrit. The study material will be made available in English/Hindi language. However, students can write their answers in examinations either in English or Hindi. The lectures in Personal Contact Programme are generally delivered in English and in Hindi.

Examination:

- ICDEOL is an institution owned and controlled by authority of Himachal Pradesh University. The examination in respect to ICDEOL students is conducted by the Himachal Pradesh University.

Evaluation Procedure:

- Evaluation of the Under Graduate is done through by conducting theory examination/ internal assessment (70/30). Theory paper is evaluating by external examiners, whereas internal assessment is by internal examiners on the basis of performance by the students. All matters relating to the examination e.g. result; mark sheet and degree etc. are dealt with by the Controller of the Examination, H.P. University, Shimla as per vide notification no.7-1/2019-HPU (Acad) dated 3<sup>rd</sup> February, 2020.

**vii) Requirement of the Laboratory support and Library Resources:**

- ICDEOL has well equipped library with total 30,000 in total & 500 books (Sociology) and bound volumes of periodicals available and computer labs with internet facilities.

**viii) Cost Estimate of the Programme and the Provisions:**

The cost estimates of the course are restricted under the following heads of expenditure:

Sr. No	Type of Head	Session 2018-2019	Session 2019-2020	Proposed Cost Expenditure (Hike@ 10%)
<b>1.</b>	<b>Programme Development</b>			
i	Development and Printing Cost of Self Learning Material	10,25,416.00	4,49,337.00	4,94,270.00
ii	Purchase of Books for Library	14,377.00 (for all courses)	1,81,959.00 (for all courses)	2,00,155.00 (for all courses)
iii	Stationary	47,497.00 (for all courses)	1,91,497.00 (for all courses)	2,10,627.00 (for all courses)
<b>2.</b>	<b>Delivery</b>			
i	Advertisement	5,55,479.00 (for all courses)	30,38,012.00 (for all courses)	33,41,813.00 (for all courses)
ii	Telegram and Postage Charges of Self learning material	14,72,121.00 (for all courses)	13,78,641.00 (for all courses)	15,16,505.00 (for all courses)
iii	Expenditure on the Conduct of PCP	15,500.00 ( for all courses)	1,09,074.00 (for all courses)	1,119,981.00 (for all courses)
<b>3.</b>	<b>Maintenance</b>			
i	Maintenance and Repairs of Laboratory of Computers & Smart Classrooms	6254.00 (for all courses)	Nil	6879.00 (for all courses)

**IX) QUALITY ASSURANCE MECHANISM AND EXPECTED PROGRAMME OUTCOMES**

The Himachal Pradesh University has an IQAC with the following objectives:

- The primary aim of the IQAC is to develop system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- IQAC is to keep the institution abreast of and abuzz with quality sustenance activities on a wide gamut of pertinent issues.
- IQAC is to generate good practices, ideas, planning, implementing and measuring the

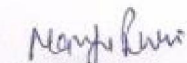
outcome of academic and administrative performance of the institution.

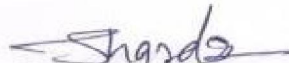
The IQAC submits the Annual Quality Assurance Report of the University duly approved by statutory bodies of the University to NAAC regularly. In the ODL mode, Director, ICDEOL have already established a Centre for Internal Quality Assurance (CIQA) in accordance with the ODL Regulation, 2020 with the following expected outcomes:

- It tries to ensure quality service to the learners of the subject through development of quality Study Learning Material or SLM, integration of modern methods of teaching learning including usage of ICT and credibility of evaluation procedures.
  - It also tries to identify the key areas in which the ICDEOL should maintain quality.
  - Another important function of the CIQA is to prepare Program Project Report (PPR) of the programs/courses being offered by the concerned School/Department or proposed to be launched in the near future with due approval of competent authority.
  - As and when the UGC/NCTE asked to revise the curriculum, the ODL curriculum will be changed accordingly.
  - Steps will be initiated to install audio-video instructional delivery mechanism.
  - Support services will be improved from time to time according to the needs of the learners.
  - Self-Instructional Material will be developed in SLM mode by using internal and external faculty and the same is edited by senior Professors.
  - Development of quality culture in the campus and encourage creativity and innovation among the faculty and staff.
  - Record activities undertaken on quality assurance along with preparation of the PPRs and Annual Reports. The program aims to make learners knowledgeable, proficient and competent enough to secure good job opportunities as well as take up further research work in the field of social sciences.
- (a) Expected programme outcomes:
- The programme produce the quality resources such as evaluators, teachers, counselors, facilitators, trainers and educators to enhance their capacities at their work place through new knowledge, with the use of ICT and to maintained continuous improvement in their day to day work.

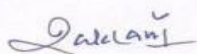
This PPR is prepared by the following PPR Committee members of the ICDEOL Department under the guidance of Director, ICDEOL, H. P. University, Shimla, Himachal Pradesh.

  
Dr. Dev Raj

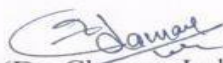
  
Dr. Manju Puri

  
Dr. Sharda

**Centre for Internal Quality Assurance (CIQA)**



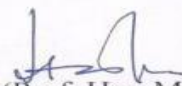
(Dr. Joginder Singh Saklani)  
**(Member)**



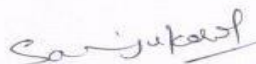
(Dr. Chaman Lal)  
**(Member)**



(Dr. Ashwani Rana)  
**(Member)**



(Prof. Hari Mohan)  
**(Member)**



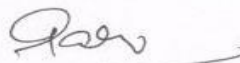
(Prof. Sanju Karol)  
**(Member)**



(Prof. P. K. Vaid)  
**(Member)**



(Sh. Amar Singh)  
**Convener**



(Prof. Kulwant Singh Pathania)

**(Director (ICDEOL) & Chairman of CIQA Committee)**