

Annexure-A

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

(NAAC Accredited 'A' Grade University)

HIMACHAL PRADESH UNIVERSITY

Summer Hill Shimla-171 005



Syllabus and scheme of Examination

For

Master of Library and Information Science

(M.Lib.I.Sc.)

Course/Programme

Under

(Semester System)

Applicable

w.e.f.

Academic session: 2020-21 onwards

Syllabus of Semester Examination (SE) and Internal Assessment (I.A.) Scheme for Degree of Master of Library & Information Science (two-Semester System) (Effective from the Academic session (2020-2021))

- 1 The medium of instructions and Examinations shall be English only.
- 2 SE & Practical Examinations shall be conducted at the end of each semester as per the Academic Calendar notified by H.P. University, Shimla-5, time to time.
- 3 Each course (theory + Practical + Internal Assessment) will carry 100 marks and Internal Assessment will have following components.
- 4 The maximum time allotted to each paper will be three hours

II.	Internal Assessment (IA)	20 marks
a)	Assignment/Class Test/Quiz/Seminar/Mode I	05 marks
a)	Mid-Term Examination (At least one Test)	10 marks
b)	Attendance	05 marks

Criterion for Class-room attendance (05 marks) 75% Attendance will be minimum eligibility condition for appearing in the examination.

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|---|----------------|
| i) Attendance 75% to 80% | 1 mark |
| ii) Attendance above 80% to 85% | 2 marks |
| iii) Attendance above 85% to 90% | 3 marks |
| iv) Attendance above 90% to 95% | 4 marks |
| v) Attendance above 95% | 5 marks |

Minimum Pass Percentage in each component (AE, IA & Practical) shall be 50%, separately

Master of Library and Information Science
M. Lib. I. Sc.
First Semester

Course Code	Description	Marks	Internal Assessment/ assignments	Total Marks	Credit
LIS-301	Information Storage and Retrieval System	80	20	100	4
LIS-302	Web Designing and Content Management Systems	50	20+30	100	4
LIS-303	E-Learning and Higher Education	50	20+30	100	4
LIS-304	Research Methodology and Statistical Techniques	80	20	100	4

M. Lib. I. Sc.
Second Semester

Course Code	Description	Marks	Internal Assessment/ assignments	Total Marks	Credit
LIS-401	Information Analysis, Consolidation and Repackaging	80	20	100	4
LIS-402	Digital Library and Web Based Information Sources	80	20	100	4
LIS-403	Digital Preservation and Conservation	80	20	100	4
LIS-404	Dissertation	100	--	100	4

M. Lib. I. Sc.

SEMESTER – 1

Course Code: LIS-301

Course Title: Information Storage and Retrieval System

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks

M. Lib. I. Sc.

FIRST SEMESTER

Course Code: LIS-301

Course Title: Information Storage and Retrieval System

Unit	Description of Course
<i>Unit I</i>	Information Retrieval System: Concept, definition, types, characteristics, components of ISRS. Information Retrieval Models. Library information retrieval systems: Web-OPAC, digital libraries: Evaluation of an Information Retrieval System: Recall, Precision and Relevance, Relevance feedback.
<i>Unit II</i>	Indexing Systems and Techniques: Assigned and Derived Indexing. Pre Coordinate and Post Coordinate indexing. Chain Indexing, PRECIS, POPSI. Key Word Indexing: KWIC, KWAC, KWOC. Citation Indexing: Features of Scopus. Web of Science. Concept of Automatic Indexing.
<i>Unit III</i>	Vocabulary Control: Need, Purpose, Functions, types and characteristics. Vocabulary Control Tools: Subject Headings: Library of Congress Subject Headings, Sears List of Subject Headings and Medical Subject Headings, Thesaurus: Features, Structure and Construction, ERIC, UNESCO Thesaurus. Taxonomies
<i>Unit IV</i>	Information Searching: Search Methods and Search Strategy: Boolean Search, Heuristic Search, Proximity Search, Phrase Search, Truncation search. Information Searching in Different Media: Print, Electronic and Internet. Federated Search: Concept and Features. Web-Scale Discovery System (WSDS): Concept and Features. Search engines, Meta search engines, Z39.50 and metadata. DOI: Concept. Basics of Data Mining.

Suggested Readings:

1. Bates, M.J. (2012). Understanding information retrieval systems: management, types and standards. Boca Raton, FL: CRC press. 2.
2. Kowalski, G.J. & Maybury, M.T. (2002). Information Storage and Retrieval System: theory and implementation. (2nd ed.). New York: Kluwer. 3.

3. Cleveland, D. & Cleveland, A. (2013) Introduction to indexing and Abstracting. (4th ed.). Englewood: Libraries Unlimited. 4.
4. Aitchison, J., Gilchrist, A. & Bawden, D. (2005). Thesaurus construction and use: a practical manual. (4th ed.). London: Taylor and Francis. 5.
5. Fransson, J. (2009). Efficient Information searching on the web: a handbook in the art of searching for information. Sweden: Fransson 6.
6. Manning, C. D., Raghavan, P., & Schütze, H. (2008). Evaluation in information retrieval. Introduction to information retrieval, 151-175
7. Bajpai, S.K. (1999). Modern information retrieval. New Delhi :Ess Ess Pub.
8. Chowdhary, C.G. (1996). Text retrieval systems in information management. New Delhi: New Age International Pub.
9. Ellis, David. (1996). Progress and problems in information retrieval. London: LA.
10. Lancaster, F.W. (1998). Indexing and abstracting in theory and practice. (2nd ed.). London: LA. Riaz M. (1989)

M. Lib. I. Sc.
SEMESTER – 1

Course Code: LIS-302

Course Title: Web Designing and Content Management Systems

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 50 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 10 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 5 short answer type questions carrying 10 marks i.e. 2 marks for each.
- IV. Rest of the question paper shall contain 4 units.
- V. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- VI. Each question will carry 10 marks
- VII. The candidate shall have to design a webpage using any open source software. The candidate shall be given 15 Marks for Web page designing and 15 Marks for presentation.

M. Lib. I. Sc.
Course Code: LIS-302

Course Title: Web Designing and Content Management Systems

Unit	Description of Course
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Unit I	Introduction to Web Designing, HTML Basic tags. Introduction to CSS, Java Script
Unit II	Web Hosting: Types of Web Hosting Services, Web Server: Domain
Unit III	Content Management System (CMS): Introduction, Types and CMS Architecture, Technologies Component CMS: HTML5, XML, XHTML, XML Schema, PHP, MYSQL. Open Source Software: Drupal, Joomla CMS Applications in Libraries and information centers, Community Information Systems Integration of Library services using CMS.
Unit IV	Creation and Hosting of Website. (Practice on Joomla and Drupal)

Suggested Readings:

1. Bhardwaj, H. (2016). Web designing. Pohti.com.
2. Cope, B. (2011). Towards a semantic web, Chandos Publishings.
3. Gopalan, N. P. & Adikesavan, T. (2014). Aweb technologies. PHI Learning.
4. Lemay, Laura & et al... (2016). Mastering HTML, CSS and Javascript Web Publishing, BPB Publications.
5. Orduna-Malea, E. (2017). Cybermetric techniques to evaluate organizations using web-based data. Chandos Publishing.
6. Powell, J. (2015). A librarian's guide to graphs, data and the semantic web. Chandos Publishing.

**M. Lib. I. Sc.
SEMESTER – 1**

Course Code: LIS-303

Course Title: E-Learning and Higher Education

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 50 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 10 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 5 short answer type questions carrying 10 marks i.e. 2 marks for each.
- IV. Rest of the question paper shall contain 4 units.
- V. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- VI. Each question will carry 10 marks
- VII. The Candidates has to register for short term course on MOOCs platform and the candidate shall be given 15 Marks for Registration and 15 Marks for presentation

**M. Lib. I. Sc.
Course Code: LIS-303**

Course Title: E-Learning and Higher Education

Unit	Description of Course
Unit I	E-learning: Introduction, Objectives, types and Development of E-learning
Unit II	Open and Distance Education: Genesis and evolution Historical Development and Theoretical foundation
Unit III	Basics of MOOCs: Meanings, objectives, types, Principles and significance National and International Platforms (e-pg Pathsala, NPTEL, Swayam, Arpit, edX, Coursera etc.), Software Packages/ Module
Unit IV	MOOCs (Practice): Creation of course modules, Usage of multimedia features and tools. Module

Suggested Readings:

1. Choo, F. H., and Gay, R. K. L. (2006). Managing e-content: instructor-studentcentric e-learning management system. Digital Learning, 2(7).
2. Gupta, S. C. (2002). E-learning: technology update. (<http://informatics.nic.in/technology.htm>)
3. METTLEweb (2005). E-learning management systems: a guide to e-learning. Melbourne, Australia: University of Melbourne. (<http://mettleweb.unimelb.edu.au/guide/princlies.html>).
4. www.mooc.org
5. <https://nptel.ac.in/>
6. Swayam
7. E-PG Pathsala

M. Lib. I. Sc. SEMESTER – 1

Course Code: LIS-304

Course Title: Research Methodology and Statistical Techniques

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks

M. Lib. I. Sc.

Course Code: LIS-304
Course Title: Research Methodology and Statistical Techniques

Unit	Description of Course
Unit I	Concept of Research: Definition, meaning, need, process and types of research. Qualitative and Quantitative Approaches. Identification and formulation of research problem. Literature review and Literature search: Print and electronic sources. Hypothesis formulation. Research Design. Sampling techniques.
Unit II	Research Methods, Techniques and Tools: Historical, Survey, Experimental and Case Study and their application in Library and Information Science. Research Techniques and Tools: Questionnaire, Interview, Observation, Library records and reports.
Unit III	Data Analysis and Its Techniques: Measures of Central Tendency: Mean, Mode, Median. Measures of Dispersion, Mean deviation. Standard deviation. Statistical analysis tests - Chi Square, t-test, z-Test and f-Test. Presentation of Data: Tabular, graphic, bar diagram, Pie-chart, Computerized data analysis: Use of SPSS.
Unit IV	Research Reporting: Structure, style, contents, guidelines of Research Reporting, Style Manuals-MLA and AP methods of Research Evaluation. Bibliometrics: Concept, definition, laws. Scientometrics, Infometrics and Webometrics: Concept, Definition and their Relationship.

Suggested Readings:

1. Best, J.W. & Kahn, J. (2005). Research in education. (10th ed.) New Delhi: Pearson
2. Bryman, A. (2012). Social research methods. (4th ed.). Oxford: Oxford University Press.
3. Henn, M., Weinstein, M. & Foard, N. (2009). A critical Introduction to Social Research. London: Sage.
4. Kothari, C.R. (2004). Research Methodology: Methods and Techniques. (2nd ed.). New Delhi: New Age International.
5. Pickard, A. J. (2013). Research Methods in Information. (2nd ed.). London: Facet.
6. Punch, K. F. (2014). Introduction to Social Research: Quantitative and qualitative Approach. (3rd ed.). London: Sage.
7. Kumar, R. (2011). Research Methodology: A step-by-step for beginners. (3rd ed.). London: Sage.
8. Sehgal R.L. (1998). Statistical methods for Libraries. New Delhi: Ess Ess Pub.
9. Sinha, S.C. & Dhiman, A.K. (2002). Research Methodology. (Vol. 2). New Delhi :Ess Ess. Pub.
10. Wildemuth, B. M. (2009). Applications of Social Research to questions in information and libraries Science. Westport: Libraries Unlimited
11. Busha, C.H. & Harter, S. P. (1980). Research methods in librarianship: Techniques and interpretation. New York : Academic Press
12. Kumar, K. (1992). Research methods in library and information science. New Delhi: Har-Anand Pub

13. Slater, M. (Ed.) (1990). Research methods in library and information studies. London : Library Association
14. Powel, R. & Connaway, L. S. (2004). Basic Research Methods for Librarians. Westport: Libraries Unlimited.
15. Creswall, J. W. (2014). Research Design: Qualitative, Quantitative and Mix Methods Approaches. (4th ed.). London: Sage.

M. Lib. I. Sc.

SEMESTER – 2

Course Code: LIS-401

Course Title: Information Analysis, Consolidation and Repackaging

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five question in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks.

M. Lib. I. Sc.

SECOND SEMESTER

Course Code: LIS-401

Course Title: Information Analysis, Consolidation and Repackaging

Unit	Description of Course
<i>Unit I</i>	Information Analysis, Consolidation and Repackaging: Concept, need and process. Guiding Principles for arrangement and presentation of idea in a helpful sequence. Information Consolidation Products: Concepts, types, design, development and methodology. Knowledge and skills required for information analysis and consolidation.
<i>Unit II</i>	Information Products: Newsletters, Hand Books, House Bulletins, In-house Communication, Trade Bulletin, Product Bulletin, State-of-the-Art Report, Trend Report, Technical Digests : Nature, concept, types, design; and development
<i>Unit III</i>	Content Analysis: Concept, types and processes. Abstract: Definition and types, Characteristics and Qualities of good abstracts. Abstracting: need and process. Computers and Abstracting. Abstracting organizations and Services.
<i>Unit IV</i>	Planning and Management of Information Analysis and Consolidation Units. Marketing of Information Products - Concept, need and benefits; 5 Ps of Information Marketing; Marketing in profit and non- profit organizations;

Suggested Readings:

1. Bhattacharyya, G. & Gopinath, M.A. (Eds). (1981). Information analysis and consolidation: Principles, procedures and products. In DRTC Annual seminar No. 18. Bangalore: D.R.T.C.
2. Cleveland, D. & Cleveland, A. (2013) Introduction to indexing and Abstracting. (4th ed). Englewood: Libraries Unlimited.
3. Drotner, K. & Schroder, K. C. (2010). Digital content creation: perception, practices and perspectives. New York: Peter Lang.
4. Gupta, B.M. (Ed.). (1988-2000). Handbook of libraries, archives and information centers in India. (Vols 16.) New Delhi: Information Industry pub.
5. Koltay, T. (2010). Abstracts and abstracting: a genre and set of skills for the 21st century. Oxford, Chandos .
6. Saracevic, T. & Wood, J.S. (1981). Consolidation of information: A handbook of evaluation, restructuring and repackaging of scientific and technical information. Paris: UNESCO.
7. Seetharama, S. (1997). Information consolidation and repackaging. New Delhi: EssEss pub.
8. Singh, S. (2014). Information Analysis and Consolidation. New Delhi. Atlantic Publishers.
9. Brandert, M. (1982). Specialised information analysis centres in international development: Report of a meeting held at Montebello. Quebec, Canada: I.D.R.C..
10. Carroll, B. T. & Maskewitz, B. F. (1980). Information analysis centers. In Williams, Martha E. (Ed) Annual review of information science and technology. (Vol. 15).
11. Crawford, J. (2003). Evaluation of library and information services. Routledge.
12. Kertesz, F. (1978). Guidelines for establishing and operating information analysis centers. Paris: UNESCO.
13. Seetharama, S. (1985). Modes of presentation of information in information consolidation products. SRELS Journal of Information Management, 22(1), 44-56

M. Lib. I. Sc.

SEMESTER – 2

Course Code: LIS-402

Course Title: Digital Library and Web Based Information Sources

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on

solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.

- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks.

M. Lib. I. Sc.

Course Code: LIS-402

Course Title: Digital Library and Web Based Information Resources

Unit	Description of Course
Unit I	Digital Libraries: Objectives and functions, Types of Digital Libraries Major Digital Library Initiatives, Future Trends Digital Library: feature and workflow: OAIS Model, AIP, SIP, DIP, DCC, Search facilities, Open Access Journal: - Sherpa- Romeo and Juliet.
Unit II	Digital Library Software (Dspace, Greenstone, E-prints, Fedora, Omega): features and functionality ,Introduction to E-resources, types, e-journal, e-book, e-databases, OERs, Access management: IP based, Remote Access
Unit III	Licensing and subscription model: DRM, perpetual Access, evidence based collection development. Digital Copyright, ERM, DOI, CNRI handle, ORCID, Digital repository, DOAJ and DOAB
Unit IV	Practical sessions on Digital Library Software (Dspace, Greenstone, E-prints)

Suggested Readings

1. Chowdhury, G G and Chowdhury, Sudatta, (2003) "Introduction to DigitalLibraries", Facet Publishing, UK.Print
2. Haddouti, H. (1997) The Digital Library Initiatives. Proceedings of the Symposium on The Arab World and Information Society Tunis, May 4-8, UNESCO, (invitedTalk)
3. <http://dspace.iimk.ac.in/bitstream/2259/252/1/05-mgs-ps-paper.pdf>
4. <http://www.dlib.org/dlib/july05/lynch/07lynch.htm>
5. Witten, Ian H. and Bainbridge, David (2003). How to build a digital library. Morgan Kaufman Publishers. Print
6. Witten, Ian H. (2003). Examples of practical digital libraries: Collections built internationally using Greenstone. D-Lib Magazine, March. <http://dlib.org/dlib/march03/witten/03witten.html>
7. Greenstone training workshop material. Greenstone Digital Library Project and NCSI, IISc. <http://www.greenstone.org/>

8. Hulser, Richard P. Digital library: Content preservation in a digital world. DESIDOC Bulletin of Information Technology, 17(6), 7-14, 1997,
9. Smith, T.R. Meta information in digital libraries. Int.J. Digital Libraries, 1, 105-107, 1997.

M. Lib. I. Sc.

SEMESTER – 2

Elective Course

Course Code: LIS-403 (A)

Course Title: Digital Preservation and Conservation

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks.

M. Lib. I. Sc.

Course Code: LIS-403

Course Title: Digital Preservation and Conservation

Unit	Description of Course
<i>Unit I</i>	Introduction and Historical development of digital preservation: need, purpose and techniques of preservation
<i>Unit II</i>	Digital Preservation: Policy, Strategy, Approaches Tools, Standards and Evaluation.
<i>Unit III</i>	Preservation Metadata Maintenance Activity (PREMIS) And Preservation Projects Archiving: Concepts, Methods And Procedures.
<i>Unit IV</i>	Disaster and Risk Management in Library, archives and museums, Integrated Press Management Digital Collection Management and Evaluation – Issues and Strategies. Indigenous traditions and manuscript preservation

Suggested Readings:

1. Feather, John (1996). Preservation and the Management of Library Collections. 2ndEd. London: Library Association Publishing.
2. Henderson, Kathryn Luther and Henderson, William T. (ed). (1983). Conserving and Preserving Library Materials. Urbana Champaign: University of Illinois.
3. Harvey, Ross. (1994). Preservation in libraries: principles, strategies and practices for librarians. London: Bowker Saur.
4. Johnson, Arthur W. (1983). The Practical Guide to Book Repair and Conservation. London: Thames and Hudson.
5. Morrow, Carolyn Clark. (1983). The Preservation Challenge: A Guide to Conserving Library Materials: Knowledge. Industry Publications. National Archives of India. (1988). Repair and Preservation of Records. New Delhi.
6. Prajapati, C.L. (1997). Archivo-Library Materials – Their Enemies and Need of First Phase Conservation. New Delhi: Mittal Publications.

OR

Course Code: LIS-403 (B)

Course Title: Social Science Information Sources and Systems

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks

Description of Course

1. Structure and Development of Social Sciences: Definition, scope, landmarks and research trends in the disciplines of Political Science, Economics, Sociology, Psychology, History.
2. Social Science Information Sources: Evaluation of the following Information sources : Print and non-print, electronic and Web-based : British Humanities Index. Current Sociology. Historical Abstracts. International Bibliography of the Social Sciences. Political Science Abstracts. Population Index. Social Science Citation Index. Sociological Abstracts. UN Demographic Yearbook. Business Periodicals Index. New Palgrave Dictionary of Economics. Social Science Index. Gazetteer of India. PAIS International. Wealth of India. Wilson Social Science abstracts. ECONLIT, PsychINFO, RePEC
3. Social Science Information Institutions: Study of the following Social Science Institutions engaged in information generation and dissemination: Centre for Policy

Research. ICSSR. ICWA. Institute for Defense Studies and Analysis. Indian Institute of Public Administration National Council for Applied Economic Research. National Institute of Public Finance and Policy. Tata Institute of Social Sciences. UNESCO. Indian Council of Historical Research. Institute of Economic Growth.

4. Social Science Information System: Concept and evaluation. Evaluation of existing Information Associations, Systems and Networks in Social Sciences at national and international level. International Political Science Association. International Sociological Association. Socio Site. International Social Science Council (ISSC). International Committee for Social Science Information and Documentation (ICSSD). Social Science Research Network (SSRN)

Suggested Readings:

1. Agrawal, S.P. (1987). Social science information and documentation: search for relevance in India. New Delhi: Concept Pub.
2. Agrawal, S.P. (1989). Development of library services in India: social science information. New Delhi: Concept.
3. Association of Librarians and Information Professionals in the Social Sciences. (2010). Innovations in social sciences information and research support. London: Association of Librarians and Information Professionals in the Social Sciences.
4. Atherton, P. (1980). Handbook for information systems and services. In Handbook for information systems and services. Paris: UNESCO.

OR

Course Code: LIS-403 (C)

Course Title: Business Information Sources and Systems

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks

Description of Course

1. Business Information: Nature and characteristics: Its role, generation and utilization. Systems view of business information. Components of Business Information Systems:

- Resources, centers, consultants, suppliers, financial organizations, industrial promoters, etc. Users of business information: Categories, role, functions, and need.
2. Business Information Sources and Products: Sources of Information: Directories, Digests, Market, Research Reports, Trade Literature, Technical Notes, Company Profiles, Patent, Design and Trade Marks, Standards, Databases. Information services: CAS, SDI, Technical Enquiry Service, other computerized services
 3. Business Information Institutions and Networks: Information Networks: overview of Business Information Networks. Institutional: national and international: Studies related to the activities of: NIDCS, IIFT, ITPO, CII, FICCI, UNIDO, UNCTAD
 4. Organizing Business Information for End user Support: Database System: Business Measurement System; Business Planning System. Text Management System: Text retrieval system; Office systems Management Support Systems: Decision support systems; information centers.

Suggested Readings:

1. Campbell, M.J. (Ed.). (1975). Manual of business library practice. NY: Shoe String PressInc.
2. Curtis, G., & Cobham, D. (2008). Business information systems: Analysis, design and practice. NY: Pearson Education.

OR

Course Code: LIS-403 (D)

Course Title: Health Science Information Sources and Systems

INSTRUCTIONS FOR THE PAPER-SETTERS / EXAMINERS AND CANDIDATES:

- I. The theory question paper will be of 80 marks.
- II. The syllabus has been divided into four units. There shall be 9 questions in all in the question paper. The candidate has to answer five questions in all. The first question will be compulsory and shall be short answer type containing 15 short questions (on solving reference queries spread over the whole syllabus) to be answered in maximum 25 to 30 words each.
- III. The candidates are required to attempt any 10 short answer type questions carrying 20 marks i.e. 2 marks for each. Rest of the paper shall contain 4 units.
- IV. Each unit shall have two questions, and the candidates shall be given internal choice of attempting one question from each Unit.
- V. Each question will carry 15 marks

Description of Course

1. Health Science Information: Growth and development of Health Science. Types of Health Science libraries/information centers. Information Services: Current Awareness Service, SDI service, Indexing and abstracting service, Literature search. Users of Health Science information.

2. Health Science Information Sources: Sources of Information: Documentary: Printed and non-print. (list to be provided by the concerned teacher)
3. Health Science Information Institutions: National Medical Library. WHO. ICMR. Department of Biotechnology. Council of Ayurveda and Siddha. Council of Homeopathy. National Institute of Health and Family Welfare. CDRI. CFRI. CFTRI. NIN. NII. NIC
4. Information Systems and Networks: HELLIS, MEDLARS, BIOSIS. Trends in Health Science Information System. Application of Hypertext, Hypermedia, Multimedia. Expert System and Artificial Intelligence.

Suggested Readings:

1. Carmel, M. (Ed.). (1995): Health care librarianship and Information work. (22nd ed.). Library Assn Pub Limited.
2. Dixit, R.P. (1995). Information management in Indian medical libraries. New Delhi: New Concepts.
3. Gupta, S.P. (1993). Information technology and health science libraries. New Delhi: MLAI SP. Pub.

M. Lib. I. Sc.

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Dissertation/Project

Dissertation will be evaluated by the committee of two subject experts recommended by the Chairman of the Department and duly approved by the Hon'ble Vice Chancellor of the University.

