

2009
M.L.I.Sc Examination
Fundamentals of Information
Science and communication
First Paper

Full Marks -100

Time – Four Hours

1. Write short note on any four of the following: 5 x 4

- (a) Attribute of the information
- (b) Information as a resource
- (c) Knowledge management
- (d) Pricing of information
- (e) Importance of information act
- (f) Information and social development

2. A. What do you mean by verbal and non-verbal communication channels?
Discuss, in brief, the different model of communication process. 4+16

Or

B. How dose knowledge differ from information? Why dose knowledge grow?
Describe its pattern of growth? 5+5+10

3. A. What id information literacy? State its importance. What skills should be
developed through information literacy programme and why? 6+4+10

Or

B. State the significance of Transborder Data Flow. 20

4. A. What do you mean by 'Intellectual Property Rights'? What are the
different types? Discuss, in brief, each type. 4+6+10

Or

B. Discuss the problems involved in electronic copyright. Suggest measures to
take these problems.10+10

5. A. What do you mean by Marketing of Information? Describe the factors
which influence the marketing of Information products and services. 5+15

Or

B. What do you understand by information society/ Describe the transition
civilization from Agriculture Society to information Society. 6+14

2009
M.L.I.Sc.Examination
Information Analysis , Consolidation and Repackaging
Second paper

Full Marks – 100

Time – Four Hours

Answer all questions

1. Write shorts notes on any four of the following: 5 x 4

- (a) Assessments of users' needs for IACR.
- (b) Dissemination media of IACR products.
- (c) Substantive editing
- (d) Guide to user
- (e) Standards for technical writing
- (f) Advance in librarianship.

2. A. "Repackaging of information refers to the presentation of information in more understandable, readable, acceptable and usable forms." Explain this statement. Discuss, in this context, the need for repackaging of information. 12+8
Or
- B. Discuss the importance of IACR products. Describe the characteristics and essential parts of the following IACR products. 5+15
(a) Advances
(b) News letters
(c) Annual Review
- 3.A. What is abstract? What is the step to be followed in preparation of an abstract. 5+15
Or
- B. Explain the importance of standard in information consolidation works. Discuss the areas in which standards can be followed. Give your critical comments on IS 2381-1978. 4+8+8
4. A. In how many ways the technical writings are generally divided? Explain two of them with necessary examples. 6+14
Or
- B. What are the functions of technical editor? Mention the skills expected from technical editor. What are the editor's tools? Why are they necessary? 4+6+5+5
5. A. Discuss the possibilities and methods of applying IT in different areas of IACR. 20
Or
- B. Define "Information analysis & Consolidation Center". Is there any need to establish an Information Consolidation Unit in Library and Information Center? Justify your answer. 5+15

2009

**M.L.I.Sc Examination
Information Processing & Retrieval – I
Third Paper**

Full marks -50

Time – Two Hours

1. Write shorts notes on any two of the following: 10 x 2
(a) Classification as search tool
(b) Bio-cybernetic view of absolute syntax
(c) Shortcomings of Enumerative Classification Scheme
2. A. Illustrate the steps in designing a faceted Classification Scheme with suitable examples.15
Or
- B. What are the functions of Broad System of Ordering? Enumerate the main structure of BSO scheme. Analyze its facet structure. 5+5+5
3. A. Discuss the role of classification in intellectual organization of Information in the internet. Describe the recent trends in classification. 9+6
Or
- B. Describe the process of using traditional classification scheme and the time domain to implement distributed knowledge classification system.15

2009

**M.L.I.Sc.Examination
INFORMATION PROCESSING &RETRIEVAL-II
PAPER-IV**

Full Marks-50

Time-Two hour

Answer all questions

1. Answer any two question: 5 x 2 = 10
 - (a) Distinguish between “Data Retrieval” and “Information Retrieval”?
 - (b) Briefly discuss the principles associated with designing of bibliographical database.
 - (c) Write short notes of MARC family.
 - (d) How are the ‘Proximity operators’ used in full text IR system?
2. A. Explain the two fold objectives of controlled vocabulary. How are these objectives achieved in an IR system? Discuss, with examples, the criteria for determining the associative relationship in a thesaurus. 5+5+10

Or

- B. What do you meant by Deep structure of subject indexing Languages (DS-SILs)? Explain the postulates associated with the DS-SILs. 8+12
- 3A. (i) “While solving the problems of compound subject headings J. Kaiser started from the point where C. A. Cutter left.” – Critically explain this statement.
- (ii) Discuss the techniques by which PRECIS has solved problems of indexing compound terms. 12+8

Or

- B. Why do you need to evaluate the IR system? Discuss the different criteria by which an IR system may be evaluated. Mention the devices used for optimization of recall and precision. 4+10+6

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2009
M.L.I.Sc. Examination
Information Technology & Library
Automation(Theory)
Paper-V

Full Marks-75

Time-Three hours

The figures in the right hand side margin indicate marks.

Answer any *five* Questions

1. Write short notes on any three of the following: 3 x 5
 - (a) Multi-user operating system
 - (b) Java programming language
 - (c) RDF
 - (d) Metadata schema
 - (e) FLOSS
2. What do understand by ‘Resource Sharing’? How can ICT play a major role in ‘Resource Sharing’ In internet age? 5+10
3. What is ‘Relational database’? Define it attributes. Briefly explain the structure and various data models of RDBMS. 2+3+10
4. what is ‘Networking’ ? Briefly explain the various caballing methods for establishing Networks. What are various factors to be considered to differentiate one LAN from other? 3+6+6
5. Briefly explain various components to be considered for designing a digital library architecture. Based on those components graphically represent a model of d8gital library architecture. 8+7
6. Shat is Metadata Harvesting? Briefly explain the workflow of Z39.50. Among Z39.50 and OAI-PMH which one will prefer for Metadata Harvesting? Give reasons. 2+8+5
7. What is deferent between Programming in XML and JAVA ? Book numbers : Indian and Cutter By M. P. Satija. New Delhi: VIVA Books, 2008. 3+12

2009
M.L.I.Sc. Examination
Information System & Network Management
Paper-VI

FM-100

Time- 4 hrs

1. A. Who is a 'System Analysts'? Asses the role of Library system Analysts and Designer in a modern library. 6+14
Or
B. Analysis various motivational theories with special reference to Maslow's 'hierarchy of human needs'. 20
2. A. Mention the change process in an organization and asses the implication of change. 8+12
Or
B. Discuss various social bases of power with special reference to 'legitimate power'. 20
3. A. What are the various elements in Total Quality Management (TQM). Do you think customer satisfaction is one of the most important factors in TQM? Give reasons. 10+10
Or
B. Define 'Programme budgeting'. How dose it differ from zero-based budgeting? Discuss 6+14
4. A. State the relevance of 'Interior architecture' in library planning. Mention the steps involved in furnishing the interior of a large library. 6+14
Or
B. Describe the space requirements and activates carried out in 'Circulation area' and 'Reader activity area' of a university library. 10+10
5. A. (i) Mention the full forms of PAN, LAN, MAN, WAN, WWW. 5
(ii) What is network planning and design? 5
(iii) Enumerate various types of communitarian 5
(iv) States the features of e-mail
Or
B. Write short notes on any two of the following: 10 x 2
(i) Digital library management
(ii) Library consortia
(iii) Website designing
(iv) Organizational Designing

2009
M.L.I.Sc. Examination
Research Methodology
Paper-VII
Part-I

FM: 50

Time: 2 hrs

1. A. Write short notes on any two of the following: 5 x 2
(a) Delphi method in Research
(b) Hypothesis in research
(c) Research problem
(d) Questionnaire in Research

2. A. What do you understand by “Experimental Research”? What are its characteristics? Explain different kinds of ‘Variables and their implication in ‘Experimental research’. 4+6+10
Or
B. What do you understand by ‘Historical research’? What are its characteristics? Explain different kinds of ‘Criticism’ required for ‘Historical research’? 4+6+10
3. A. What do you understand by ‘Descriptive research’? What are the characteristics? Discuss various kinds of ‘Descriptive Research’ known to you. 4+6+10
Or
B. Discuss various criteria for evaluating s good research. 20

2009
M.L.I.Sc. Examination
Quantitative Methods
Paper-VII
Part-II

FM:50

Time: 2 hrs

1. A. Write short notes on any two of the following : 5 x 2
- (a) Correlation theory
 - (b) Bibliographic coupling, Obsolescence and half life
 - (c) Queuing theory
 - (d) Operation research-Concept and scope
 - (e) Zipf’s law
 - (f) Standard Deviation
2. A. Briefly describe the aspects to be considered and precautions to be taken while designing a questionnaire. What are the sources and methods of collecting primary and secondary data? 12+8
Or
B. Briefly explain the concept of ‘Bibliometric’ and its scope. What are the areas, where Bibliometric may be used in Librarianship? Describe any one of the empirical laws of Bibliometric with its application in Library and Information Science. 5+5+10
- 3A. What are the various popular types of diagrammatic presentation of data? Give example. Describe in brief the basic rules and objectives of presentation of data. 12+8
Or
B. What do you mean by ‘Measures of Central’ Tendency’? Discuss their functions. compare the different types of ‘Average’ in brief with example. 10+10