

2015
M.Lib.I.Sc. FIRST SEMESTER EXAMINATION

INFORMATION & COMMUNICATION
COURSE -101

Full Marks – 40 Time 2 Hours

The figures in the right hand side margin indicate marks.

Answer all questions

1. Write short notes on any two of the following: 5x2 =10

- (a) Tacit & explicit knowledge
- (b) Taxonomy
- (c) Information reach & Information poor
- (d) Information economy

2.(A) (i) Establish relationship among Library Science, Information Science and other disciplines.
(ii) Differentiate between information sources and information resources. How Information flows from its origin to end users? 7+(3+5)

OR

2.(B) (i) Discuss the relation between information retrieval and data retrieval.
(ii) Discuss the purposes and components of an Information Retrieval System. 8+7

3. (A) Mention different communication tools. Briefly discuss the barriers of communication. Explain the importance of formal communication. 5+7+3

OR

3. (B) What would be the salient features of an ideal National Information Policy? What are the problems faced by developing countries in framing such a policy? 8+7

INFORMATON ANALYSIS CONSOLIDATION & REPACKAGING
COURSE- 102

Full Marks – 40 Time 2 Hours

The figures in the right hand side margin indicate marks.

Answer all questions

1. Write short notes on any two of the following: 5x2 =10

- (a) Information analysis centers
- (b) Functions of reviews
- (c) Parameters for evaluation of information analysis and consolidation products
- (d) Product layout

2.(A)(i) Explain the importance of studying information seeking behavior of users in the context of developing information analysis and consolidation (IA&C) products

(ii) Describe the methods of studying information seeking behavior of users. 6+9

OR

2.(B)(i) Enumerate different groups of users. Who need technical digests and discuss why they need it. 3+6

(ii) Discuss the importance of subject study and user study in information analysis, consolidation & repackaging work. 6

3A(i) Describe the methodology of developing information analysis and consolidation (IA&C) products. 9

(ii) Explain how marketing concept can be applied in the context of IA&C products. 6

OR

3(B) Enumerate and describe different types of IA&C products. 15

**INFORMATION & COMMUNICATION
COURSE -103**

Full Marks – 40 Time 2 Hours

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Answer all questions

1. (a) Diagrammatically represent “Integrative levels of organization” with appropriate examples. 9+6

Explain any three laws propounded by J.K. Feibleman.

Or

(b) Elucidate with examples the advantages and disadvantages of faceted classification.

Illustrate with examples the process of synthesis grafted in any enumerative scheme. 9+6

2. (a) What do you understand by web based ‘Information Retrieval’? Explain the use of classification by search engines to provide subject-based access to Internet. 5+10

Or

(b) Define controlled vocabulary. Describe the procedure for maintenance of the taxonomy in context of hospitality of classification schemes. 3+12

3. Write short notes on any two of the following: 2x5

(i) Web Dewey

(ii) Ontology

(iii) Z39.19-2005

(iv) Expert system for Auto Classification

**RESOURCE DESCRIPTION (THEORY)
COURSE- 104**

Full Marks—40

Time: 2 Hrs

The figures in the right hand side margin indicate marks.

Answer all questions:

1. Write short notes on any two of the following: 5x2

(a) Universal catalogue code (UDC)

(b) Paradigmatic and syntagmatic relations

(c) Recall and precision

(d) GILS

- 2(A)(a) What are the unit operation in cataloguing?
(b) Explain any three of them with suitable example from a catalogue code. 3+12

OR

- 2(B)(a) What does MARC mean?
(b) Define the following MARC 21 terms-
(i) Tag (ii) Indicators (iii) Sub-field(codes); (iv) Delimiters
(c) What are the main advantages of MARC 21 format? 3+(2x4)+4

- 3(A)(a) What do you mean by 'formularized construction f subject heading'? Critically evaluate the contribution of J.Kaiser in this field. 3+12

OR

- 3(B)(a) What is IR system?
(b) Discuss the scope and processes of Knowledge discovery in brief.
(c) What do you mean by data mining and text mining?
(d) What is the role of vocabulary control tool in an IR process? 2+5+4+4

Information & communication technology (Theory)
Course-MLI 105

Full Marks—40

Time: 2 Hrs

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Answer all questions:

2. Write short notes on any tow of the following: 5x2
(a) Twisted Pair Cable
(b) Switched Network
(c) Data Normalization
(d) Criteria for evaluating web resources

- 2.(A) Point out the rules to be followed to make relation in relational data model. Explain the basic principles of web 2.0. How 2nd and 3rd Law of Library Science can be justified in the context of Lib2.0? 5+3+7

OR

- 2.(B) Explain the characteristics of Web2.0. Explain Circulation or Collection building module using ER model. How RSS could be useful in library? 5+8+2

- 3(A). What is XML? How is it different from HTML? Explain RDF Triples with examples? Briefly describe various types of network based on different criteria. 2+3+6+4

OR

- 3.(B) What is content management? Discuss the advantages and disadvantages of content management. 4+11

Management of Information System Organization
Course-MLI 106

Full Marks—40

Time: 2 Hrs

The figures in the right hand side margin indicate marks.

Answer all questions:

1. Write short notes on any two of the following: 5x2
(a) Principles of an organization
(b) Need Assessment in planning
(c) Sources of finance
(d) Job Analysis
- 2.(A)(i) Discuss the importance of an organization 7
(ii) What is 'Library Budget'? How does it differ from 'Annual financial Report'? 3+5
OR
- 2.(B)(i) Compare between 'Bureaucratic' and 'Departmentalization' structure. 8
(ii) Compare between 'Line-by-Line Budgeting' and 'Programme Budgeting'. 7
- 3.(A)(i) Enumerate various steps in planning with special reference to 'Being Aware of Opportunity'. 7
(ii) State your idea on 'human resource approach' for the effective management and development of manpower. 8
OR
- 3.(B)(i) Discuss the various processes in planning. 8
(ii) Assess the importance of human resource planning. 7
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Research Methodology
Course-MLI 107

Full Marks—40

Time: 2 Hrs

The figures in the right hand side margin indicate marks.

Answer all questions:

1. Write short notes on any two of the following: 5x2
(a) Formulation of Research Problem
(b) Statistical Investigation
(c) Hypothesis in Descriptive Research
(d) Literature Review
- 2(a) Define 'Research' according to S.R.Ranganathan. What are its characteristics? Discuss in brief the role of research in various fields known to you. Discuss the benefits of studying 'Research Methodology' for MLISc Student. 3+3+4+5
OR
- 2.(b) What do you understand by a 'Research Report'. Describe the contents of 'Research Report'. Enumerate the styles of writing a 'Research Report'. 4+6+5
- 3.(a) Define 'Experimental Research'. What are its characteristics? Explain various kinds of variables and their implications in 'Experimental Research'. 4+3+8
OR
- 3(b). What do you understand by 'Historical Research'? Write the various sources of information to be used in conducting 'Historical Research'? What are the methods of evaluation that can be applied for their authenticity and value for 'Historical Research'?- Discuss. 4+3+8
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**INFORMATION & COMMUNICATION TECHNOLOGY (PRACTICAL)
COURSE-108**

Full Marks—40

Time: 2 Hrs

The figures in the right hand side margin indicate marks.

Answer all questions:

1.(a) (i) Write the php script by using html form to sum of first 'n' numbers (where n may be any number) [Formula: $Sum = n(n+1)/2$] 10

(ii) Write a php script by using do...while loop to print look like following output: 5

Number = 1

Number = 2

Number = 3

Number = 4

Number = 5

OR

1(b)(i) Write a php script by using html form to convert Celsius temperature to Fahrenheit temperature [Formula: $F = (9C/5) + 32$, where F= Fahrenheit and C= Celsius] 10

(ii) Write a php script to find out the biggest number among 58,97,60 5

2(a)(i) Create a table name "patrons" under "library" database using MYSQL data base with minimum five fields including one primary key field. 10

(ii) Write a mysql statement to insert a record in "patron" table (values in all fields) 5

OR

2(b) Database : "fulltext"

Table: "article"

Field: article-id(varchar), title (varchar), journal(varchar), year(int), place(varchar)

(i) Write a mysql statement to display the all articles published from "China" 5

(ii) Write a mysql statement to set the year "2015" of all the journal "IASLIC Bulletin" 5

(iii) Write a mysql statement to remove all records(s) which are published in between 2010 and 2012 5

3. Answer any two of the following

(i) Create an xml file with details of movies (field are "title", "director", "actor" and "duration") by using a ".css" file for display format. 5

(ii) Write the steps to load a Z39.50 Server to import bibliographic data in Koha3.20 5

(iii) Write the steps to insert a library patron in Koha 3.20 5

(iv) Generate a report displaying all bibliographic records with the accession-number, title, author, publishing-year, place. 5
