

Dept of LIS, RBU

2014

M.L.I.Sc Semester – I Examination

Course- 1.1

Information and Communication

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

Answer **all** questions

1. Write short notes on any **two** of the following : 5x2
 - a) Plagiarism
 - b) Scholarly Communication
 - c) Generation of Information
 - d) Information Sources and information resources.

 - 2(A) (i) Show the relationship of information science with Documentation and Library Science.

 - (ii) Show the interrelationship between data information and knowledge .Differentiate between 'information rich' and 'Information poor'. 7+ (5+3)

 - Or**

 - 2(B) (i) Discuss the problem in determining the term to be used in information storage and retrieval.

 - (ii) Explain the characteristic of the information society. 8+7

 - 3(A) Explain the different element of communication process. Discuss the advantages of email communication. 10+5

 - Or**

 3. (B) what is the importance of information in social development? What do you mean by 'information Policy'? What aspects should be covered in a national information policy? Discuss briefly. 5+2+8
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Course- 1.2

Information Analysis Consolidation & Repackaging

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

1. Write short notes on any **two** of the following : 5x2
- a) Information Seeking behaviour
 - b) Advances in librarianship.
 - c) Reviews
 - d) Importance of marketing IAC&R product.

2(A) Define information analysis, consolidation & repackaging (IAC&R). Explain the parameters by which an IAC&R product can be evaluated. 3+12

Or

2 (B) Enumerate the steps involved in information analysis, consolidation and repackaging. Describe the criteria for selection and evaluation of sources from which the IAC&R product may be developed. 6+9

3 (A) Discuss the importance of technical writing in IAC&R of scientific and technical literature. Describe the aspects to be considered in planning of technical writing. 5+10

Or

3 (B) Discuss the need and importance of IAC&R product. Mention four kind of IAC&R product. Describe the characteristic and essential part of any two of them. 3+2+10

Course- 1.3

Information Processing (Theory)

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

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

a) Ontology.

b) Universe of Knowledge.

c) Retroactive notation.

d) Classaurus.

2(A) What do you understand by citation order? Briefly review the citation order of categories from Kaiser to Ranganathan. 3+12

Or

2 (B) Explain the concept of 'integrative levels of organization'. Distinguish between Taxonomy and Folksonomy. Name few based system with their receptive URLs. 7+4+4

3 (A) Taxonomies and thesauri represent increasing levels of complexities –justify. Describe the different steps to be followed in developing any one type of controlled vocabulary. 6+9

Or

3 (B) what is Web directory? Name three web directories with their respective URLs. Critically evaluate any one of them. 4+3+8

Course- 1.4

Information Processing (Theory)

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

Answer **all** questions

1. Write short notes on any **two** of the following : 5x2
- a) FRBR Group-1 entity-relationship model.
 - b) MEDLARS test.
 - c) Principle versus rule in bibliographic description.
 - d) Difference between indexing language and natural language.
- 2(A) (a) What are the components of catalogue code? Justify the difference levels of description in AACR2R. 2+6
- (b) Describe how will you design a catalogue code. 7
- Or
- 2 (B) (a) What is 'TEI'? Describe its origin and objectives. 2+7
- (b) Describe the basic structure and fields of ISO 2709. 3+3
- 3 (A) Compare between keyword indexing and chain indexing 15
- Or
- 3 (B) (a) What do the "Efficiency" and "Effectiveness" signify in the evaluation of an IR system.
- (b) Discuss the different parameters that are used in measuring the system effectiveness of an IR system.
- (c) The following matrix shows the relevance judgment of a search result in an IR system:

Retrieved Record	Relevant Records	Non – relevant Record	Total
	144	256	400
Records not Retrieved	96	504	600
Total	240	760	1000

Calculate the Recall Ratio and Precision Ratio from the above matrix.

(d) Draw the performance curve and show how the recall and precision ratio stand to vary inversely in searching. 3+5+4+3

Course- 1.5

Information & Communication Technology

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

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

a) Social Networking.

b) Data Definition Language.

c) IP Address.

d) E- Recourse.

2(A) What is Web 2.0? Discuss the application of Web 2.0 tools in library? 5+10

Or

2 (B) what is Layered concept of Networking? Mention the name of seven layers of OSI Network Model. What is RSS? Mention its Essential elements. 3+4+5+3

3 (A) Differentiate between DBMS and RDBMS. Briefly describe various purposes of DBMS. Illustrate diagrammatically the database approach to library 3+7+5

Or

3 (B) What is computer Network? Classify computer network? Enumerate the area in which computer network may be helpful. Discuss Bus topology. 3+2+4+6

Course- 1.6

Management of Information Systems Organization

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

1. Write short notes on any **two** of the following : 5x2
- a) Weberian Organization Theory.
 - b) LMBO.
 - c) Importance of Budgeting.
 - d) Grievance.

2(A) Is it correct to state that in an organization productivity is achieved through people and not technology? Discuss in this connection the object of rational organization design.

9+6

Or

2 (B Define 'Delegation'. Explain the need, purposes and importance of 'Delegation'. 6+9

3 (A) What is planning? Enumerate its various factors. Discuss the importance of 'time' factor. 3+4+8

Or

3 (B) Make a comparative study between the concepts belonging to any three of the following pairs of concept:

- a) Academic Library Finance and public library Finance
 - b) Programme budgeting and performance budgeting.
 - c) Long – range planning and short range planning.
 - d) Learning and Coaching
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Course- 1.7

Research Methodology

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

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

a) Ideal questionnaire for study the information seeking behaviour of the student of a university library.

b) Importance of studying Research Methodology for M.L.I.Sc. Students.

c) Content Analysis.

d) Hypothesis in Research.

2(A) What is Historical Research? What is its characteristic? Explain different kind of criticism required for various Historical Sources of information 4+3+8

Or

2 (B) What do you understand by Descriptive Research? What is its characteristic? Discuss in brief various kinds of descriptive research known to you. 4+3+8

3 (A) What is Experimental Research? What are its characteristics? Explain different kind of variables and their implication in Experimental research. 4+3+8

Or

3 (B) Discuss various factors to be considered for an ideal research work. 15

Course- 1.8

Information and Communication Technology (Practical)

Full Marks – 40

Time – 2 Hours

The Figures in the right margin indicate marks.

Answer **all** questions

1(A). (i) Write a programme for summing up 5, 10,15,20,25 and also for calculating average of these numbers using PHP script. The output should be following: 8+2

SUM OF (5+10+15+20+25)= 75

AVERAGE= 15

(ii) Write the common to set the starting of the Apache Web Server at the time of booting of Redhat Linux Operating System.

Or

1(B) (i) Write PHP script to print “welcome to Rabindra Bharati University” ten (10) times in ten (10) lines using “for loop” control. 8+2

(ii) Write the command to restart the apache web server

2(A) Write the command to restart MYSQL database server from the Linux command prompt. Write the command to login MYSQL database as “root “ user with password “root123” from Linux command prompt . Create a database “mlis14” under this database create a table “student” with fields – Roll number (primary key),First name, Last name,city,phone number. 1+1+2+6

Or

2(B) (i) Write a command to change the database “Library “from the database stated above. 1+3+3+3

(ii) There is a table – “books “under the database “Library” and the field are – acc-no (varchar- primary key), author (varchar) ,title(varchar), edition(varchar), place (varchar) ,publisher (varchar) , year (int) , Isbn (varchar). Write the statement to insert the record:

- Acc-no => GN3999
- Author => Vikram Vaswani
- Title => MYSQL: the complete reference
- Edition => 5th edition
- Place => New Delhi
- Publisher => Tata McGrawhill
- ISBN => 0-07-058684-5

(iii) Write an SQL statement to find out all books which are published in the year 2009.

(iv) Write a SQL statement to find out all books which are not from the place of "Kolkata"

3(A) MYSQL user: root, password: root123, database: library, table: books. 5+5

Fields are => acc-no (varchar-primary key), author (varchar), title (varchar), edition (varchar), place (varchar), publisher (varchar), year (int), isbn (varchar).

- Create an interface to insert book record by using HTML form and PHP script.
- Create an XML file with details of library books by using of .dtd and .css files.

Or

3. (B) (i) Create an interface to browse all books using HTML form and PHP script. 5+5

(ii) Create an XML file with details of library users by using of .dtd and .css files

4.(A) Write the steps of installation of Koha in Ubuntu 12.04 LTS. 10

Or

4.(B) Demonstrate the various system parameters in Cataloguing module of Koha. 10
