

Rabindra Bharati University
Department of Library & Information Science

2016
M.Lib.I.Sc. First Semester Examination
Course-101
(Information & Communication)

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: 5*2
- Information sources and information resources.
 - Properties of information.
 - Date retrieval and information retrieval
 - Elements of communication.
2. a) i) How is Library and Information Science related to Science and Social Science? Discuss. 8+7
ii) Distinguish between information and knowledge as described by Machlup. How information flows from its origin to end users? 7+3+5
- Or*
- b) i) Write, in brief, the history of information storage and retrieval system. 8+7
ii) Discuss the problems incurred in searching in an information storage and retrieval system. 3+5+7
- 3.a) What is 'National Information Policy'? What is the importance of this policy? Describe the efforts made in India for formulation of a National Information Policy. 3+5+7
- Or*
- b) Discuss the importance of communication. Explain any four models of communication. 5+10

Course-102

(Information Analysis Consolidation & Repackaging)

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: 5*2
- Knowledge brokers
 - Technical Digest
 - Information seeking behavior
 - Annual Review
- 2.a) Define 'Information analysis, consolidation and repackaging (IAC & R). Explain the parameters by which an IACR product can be evaluated. 6+9
- Or*
- b) Do you think standards have a role in information consolidation activities? Justify. Write a critical note on Indian standard relating to bibliographical references. 5+10
- 3.a) What is 'newsletter'? Give a few examples of the types of information usually found in a newsletter. Suggest a suitable lay-out of a newsletter of a University. 3+3+9
- Or*
- b) What is the need of marketing IAC&R product? Briefly describe the tasks to be performed for marketing on IAC&R product. 5+10

Course – 103
(Information Processing Theory)

Full Marks - 40

Time – 2 Hours

The figures in the right hand side margin indicate marks.

Answer *all* questions:

1. (a) What is 'subject system'? Explain the role of subject system in knowledge Organization. Enumerate different types of subject system with examples. 3+5+7
- or*
- (b) Highlight the disadvantages of systematic Book Classification. Make a comparative study among WCB Saycrs, H E Bliss and S R Ranganathan in the context of Knowledge classification as the basis of classification schedule. 6+9

2. (a) 'The Purpose of controlled vocabularies is to provide a means for organizing information' - justify. 'Taxonomies and thesauri represent increasing levels of complexity' - Discuss with suitable examples. 6+9
 (b) What do you understand by determination of subject in classification? Illustrate the role of different kinds of subject index used in search engines and classification schedules. 5+10
3. Write short notes on any two of the followings:
 (a) BSO
 (b) OWL
 (c) Folksonomy
 (d) DMOZ

Course -104
(Resource Description Theory)

FM- 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) Lubtezky's contribution in cataloguing
 b) Natural language vs. indexing language
 c) ISO 2709
 d) Vocabulary control tools
2. (A) what is Bibliographic Description? 2
 b) Briefly discuss the different levels of bibliographic description in AACR2. 7
 c) Describe briefly the methodology of designing a catalogue code. 6
 OR
 (B) Compare between keyword indexing and the indexing based on classificatory approach 15
3. (A) a) what is TEI? By whom TEI is sponsored? Explain the structural of TEI text. 2+1+4
 (b) What are Dublin core Meta Data element sets? 3
 (c) Briefly explain 'FRBR-Group-1' entities with example. 5
 OR
 (B) (a) Discuss the various Information Retrieval Models. 12
 (b) What is a user interface in the context of IR System? 3

Course – 105
(Information & Communication Technology Theory)

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 following: 5x2
 (a) Alter's Model of Information System
 (b) RDA Components
 (c) XML Tree Structure
 (d) HTTP
2. (a) Explain diagrammatically the structure of 'Database Management System'. State the advantages and disadvantages of Entity Relationship Data Model. Illustrate second or third 'National Form' with suitable example. 5+4+6
 Or
 (b) What is an 'instance' of a database? Diagrammatically explain the data model of a DBMS. Graphically represent the E-R and show various cardinality of relationship. 2+5+8
3. (a) What is web 2.0? Elucidate various features of web 2.0. Define various web 2.0 application tools suitable for Library services. Explain how Social Networking can be used to provide effective library services. 3+4+5+3
 Or
 (b) What is 'Cloud Computing' as defined by National Institute of Standards and Technology (NIST). What are the various Services Models available in Cloud Computing? Briefly describe any one of them. Explain how Cloud Computing in advantageous to the library? 3+2+4+6

Course – 106
(Management of Information
System & Organizations)

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 :

5*2

- (a) Organizational ideologies
- (b) Elements in planning
- (c) Job description
- (d) Types of Budget

2. (A) (i) Enumerate various models of organizational structure. 3

(ii) Discuss in brief the different types of budgeting method. State the role of 'cost-benefit analysis' in budgeting system. 6+6

Or

(B) (i) "Structure is the arena for organizational actions". Discuss in this connection the various functions of organizational structure. 8

(ii) What is 'outsourcing'? Explain the importance of outsourcing in libraries. 2+5

3. (A) (i) Briefly discuss the various factors in planning with special reference to 'Time' factor. 7

(ii) "Human needs are stretched from physiological to psychological". Discuss this statement in connection with Maslow's hierarchy of human needs. 8

Or

(B) (i) Why do we design an organization and how we should do it? 3+4

(ii) State how job description provides a clear cut distinction of duties and responsibilities in a library. 8

Course _ 107 (Research Methodology)

Full Marks—40

Time—2hours

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) Primary and Secondary Data and Data Sources
- (b) Basic and Applied Research
- (c) Case study and Evaluation Study
- (d) Dependent and Independent Variables

2. (A) What do you mean by 'Research'? What is the need and purpose of research? Discuss the general characteristics of research. 3+7+5

Or

(B) What is meant by 'Research Design'? Discuss the main features of a research design. 3+12

[2]

3. (A) Discuss in brief the importance and objectives of data representation and its various methods. Explain with examples Line Graph and Pie Chart. 10+5

Or

(B) What do you understand by 'Research Report'?

What is its need? Discuss in brief the format of a research report. 3+4+8

Course-108 (Information & Communication Technology (practical))

Full Marks-40

Time-3 Hours

The figure in the right hand side margin indicate marks.

Answers any four questions:

1.(i) write a PHP program to find out the largest and smallest numbers among the following numbers:

35,10,11,-4,520,33,-49,99. 7

(ii)Write a PHP program to count the total number of words in a sentence. 3

2.(i)Write a PHP program taking three variable in an array and then point the variables line by line. 7

(ii)Write a PHP program to print first ten numbers using "while loop". 3

3.(i)Write the command to create a database name "University-library" in MySQL database. 1

(ii)Write the command to change the database "university-library". 1

(iii)Write the SQL statement to create a table name "patrons" under "UniversityLibrary" with the following fields:

Field Name	Type	Size
Card-no	Varchar	10
First-name	Varchar	50

Last-name	Varchar	50
age	int	06
address	Varchar	100
department	Varchar	30

Assign the field "card-no" as primary key.

8

4.(i) Write an SQL command to find out the list of patrons aged between 25 and 27, with the fields "first-name", "last-name", "age", and "address".

3

(ii) Write an SQL command to find out the list of patrons, whose names start with character 'k' with the fields "first-name", "last-name", and "address".

3 (iii) Write the SQL command using MySQL functions to find out the following:

(a) $\sqrt{49}$

(b) 3^3

(c) Absolute Value of (-999).

(d) Greatest value of (100, 99, 258, 15).

4

5. Create an XML file with the details of books by using of .dtd and .css files. 10

6. Demonstrate the various steps to export the bibliographic data in MARC format. 10