Rabindra Bharati University
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
   a) Information sources and information resources
   b) Properties of information
   c) Date retrieval and information retrieval
   d) Elements of communication

2. a) i) How is Library and Information Science related to Science and Social Science ? Discuss.

      ii) Distinguish between information and knowledge as described by Machlup. How information flows from its origin to users.   7+3+5

Or

   b) i) write , in brief the history of information storage and retrieval system

      ii)Discuss the problems incurred in searching in information storage and retrieval system.   8+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?

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Or

   b)Discuss the importance of communication. Explain any four models of communication.   5+10

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
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
a)   Knowledge brokers
b)   Technical Digest
c)   Information seeking behavior.
d)   Annual Review.

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 products ?   5+10

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
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: 2×5
(a) BSO
(b) OWL
(c) Folksonomy
(d) DMOZ

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
Course – 104
Resource Description 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* 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?
(b) Briefly discuss the different levels of bibliographic description in AACR2.
c) Describe briefly the methodology of designing a catalogue code.   2+7+6

Or

B) Compare between keyword i9ndexing and the indexing based on classificatory
  approach.   15

3.(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

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
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

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
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

2. (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

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
Course – 107
Research Methodology

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
   (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

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

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Rabindra Bharati University
2016
M.Lib.I.Sc First Semester Examination
Course – 108
Information & Communication Technology (practical)

Full Marks-40 **Time- 2 Hours**

The figures 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 ''University Library''
with the following fields:

Field name	Type	Size
Card-no	Varchar	10
First name	Varchar	50
Last name	Varchar	50
Age	Fnt	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 agred 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) Absalute 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