

# RABINDRA BHARATI UNIVERSITY

2018

## M. Lib. I. Sc Second Semester Examination

Course – 201

### Information Economics and knowledge Management

Full Marks – 40

Time – 2 Hours

*The figures in the right hand side margin indicate marks.*

Answer **all** questions:

1A. What do you understand by 'Knowledge Management'? Discuss the advantages of introducing knowledge management system in a library and information professionals in this regard. 4+7+4

*Or*

1B. Discuss the characteristics of a knowledge society comment on the recommendations of the Working Group on Libraries of the National Knowledge Commission. 7+8

2A. What are the characteristics of information as a commodity? What are the arguments against the view that information is a commodity? 6+9

*Or*

2B. What do you mean by 'Marketing of library and information services'? What are its benefits? How can you design a product on marketing of information? 4+5+6

3. Write short notes on **any two** of the following: 5X2

- a) Groupware
  - b) Knowledge management tool
  - c) Knowledge Broker
  - d) Cost of searching
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2018

M. Lib. I. Sc Second Semester Examination

Course – 202

**Content Design and Technical Writing**

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) Creative Writing
- b) Readability index
- c) Digest
- d) Style manual

2.A. What are the different types of abstract? State basic content element of abstract?  
Highlight the salient aspects of the style of abstracting as per ANSI/NISO Z39.14. 3+4+8

*Or*

2.B. Discuss how the knowledge of technical writing can be of helps to a librarian. Draft the agenda and minutes of a library committee meeting. 6+9

3.A. What do you understand by proof reading? Describe the commonly used proof reading symbols with appropriate examples. 3+12

*Or*

3.B. Briefly discuss the process of e-content creation. 15

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M. Lib. I. Sc Second Semester Examination

Course – 203

Information Processing (Practical)

Full Marks – 40

Time – 3 Hours

*The figures in the right hand side margin indicate marks.*

Answer **all** questions:

1. Construct class number for **any five** of the following subject description using CC7: 4X5

- a) Geometrical method of multiplicative functions.
- b) Flora and fauna of China.
- c) Classification of Plutonic Rocks.
- d) Bulletin of the Botanical survey of India, Calcutta, 1998.
- e) Cold storage of potatoes.
- f) Architecture of music Halls.
- g) William Shakespeare (1564) : Hamlet.
- h) Dictionary of Anglo-India Jargon.

2. Illustrate the steps in designing a dept schedule of classification on a micro subject of your choice taking at least 30 terms. [Internet may be used for term collection]

20

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## M. Lib. I. Sc Second Semester Examination

Course – 204

### Resource Description (Practical)

Full Marks – 40

Time – 3 Hours

*The figures in the right side margin indicate marks.*

Answer all questions:

#### Group – A

1. Prepare bibliographical record of the following item according to MARC – 21. 10

**Information from map :**

#### Map – 42

Department of Natural Resources Utah Geological and Mineral Survey.  
Earthquake Fault Map of a portion of Salt Lake Country, Utah

#### Distributed by

Utah Geological and Mineral Survey Donald T. McMillan, Director.  
Geologic Map Utah : 1:250,000  
Originally issued in 1968 as Map-18  
Revised in 1976 by Bruce N. Kaliser  
606 Black Hawk Way  
Salt Lake City, Utah 84108

**O.I. :** One colour map of 26 X 20 cm.

#### Group – B

Prepare the main entry with tracing of necessary 'Added Entries' as required for dictionary catalogue according to AACR-2R(1988).

Assign subject headings by Sears List of Subject Heading and mention the edition of the list used.

10

#### 2.A. **Title frame at beginning:**

TRW Electronics group presents  
Beats reading the annual report

#### **Title frame at end**

Sponsored by TRW Electronics Group by TRW Systems Group, Motion Picture Division.  
Distributed by TRW System Group, Redondo Beach, Calif, 1970.

**O.I. :** One film reel (ca 6 minutes)

It shows electronic products manufactured by TRW Electronic Group operations for the previous year.

2.B. **Title Screen :**

10

**SAM**

Symantec Anti-Virus for Macintosh

Version : 4.0

Copyright @ 1994 Symantec Corporation

All right reserved

Cupertino, CA, Symantec Corporation, @ 1994

**O.I. :** Two diskettes are present.

Size: 3 ½ inches.

**System required :** Macintosh Plus or higher, System 6.0 and Finder 6.1 or Higher, hard disk drive and 11.4k floppy disk drive.

**Group – C**

3. Illustrate the steps in designing a thesaurus on any specific micro subjects of your choice taking at least Thirty (30) terms (Internet may be used for term collection) . 20

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## M. Lib. I. Sc Second Semester Examination

Course – 205

### Digital Library System

Full Marks – 40

Time – 2 Hours

*The figures in the right side margin indicate marks.*

Answer all questions:

1. Write short notes on any two of the following: 5X2

- a) Text Encoding Initiative
- b) Digital library economics
- c) PURL – Persistent URL
- d) Greenstone or eprint

- 2.A. (i) Is 'WWW' a digital library? Justify. 5  
(ii) What are the basic components of a digital library? 3  
(iii) What kind of content does 'dspace' accept? 2  
(iv) Elucidate the principles that guide the digital library architecture. 5

*Or*

2.B. (i) What do you understand by 'legacy resources' and 'transition resources' in the context of digital library? 5

(ii) Explain diagrammatically the operational or system architecture of a digital library? 7

(iii) Point out the important principles of DCMI. 3

3.A. (i) What is DOI? How does it work? Differentiate between DOI and Handle System.

(ii) What are the two broad classes of qualifier recognize in DCMI? Explain any one of them. 1+5

*Or*

3.B. (i) Diagrammatically explain the RDF data model with example. 7

(ii) What is RDF syntax? Show how RDF Schema can be syntactically represented? 2+6

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M. Lib. I. Sc Second Semester Examination

Course – 206

Information System Analysis and Design

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) Electronic Resources in Medicine (ERMED INDIA) consortium.
- (b) Attribute of an information system
- (c) Physical ergonomics
- (d) International Organization for Standardization (ISO).

2.A. (i) Define 'Entropy'. Categorize different types of Information System in the domain of Library Services. 2+3

(ii) Explain why Total Quality Management is considered as a "philosophy and not a technique." What are the important principles of TQM as stated by Quin Harris? 6+4

Or

2.B. (i) Explain briefly the of system analysis showing Burch and Starter System Development Life cycle. 7

(ii) Describe the present scenario of E-journal Consortium in India with special reference to NKRC and CeRA. 8

3.A. (i) Do you agree that "ergonomics is the science, which deals with designing the job to fit the worker, but not forcing them to fit the job"? Discuss in this connection the ergonomical factors to be considered while designing the work-station of a large library. 3+5

(ii) Describe the salient features of UGC – Infonet. 7

Or

3.B. (i) Describe briefly 'time and motion study'. How is it applicable in library and information centres? 4+5

(ii) What do you mean by 'Cognitive Ergonomics'? Enumerate the different disciplines which fall under the domain of cognitive ergonomics. 2+4

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## M. Lib. I. Sc Second Semester Examination

Course – 207

### Library statistics and Informetrics

Full Marks – 40

Time – 2 Hours

The figures in the right side margin indicate marks.

Answer all questions:

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

5X2

(a) Mutually exclusive events

(b) Critical Path Method

(c) Librametric analysis

(d) Narin's 3 axioms of Bibliometric analysis

2.A. Define the term 'correlation'. Explain positive and negative correlations with example. From the following data find the suitable regression equation and estimate the value of Y when

X = 2.5

X : 1      2 3 4 5

Y : 2      3 5 4 6

2+4+9=15

Or

2.B. Define 'operations research'. Discuss any two techniques of operations research. The XYZ Library has four library jobs 1, 2, 3, 4 to be done and four library staff A, B, C, D to do these jobs. The number of hours each staff would take to accomplish each job is given by the following table :

Jobs				
Staff	1	2	3	4
A	25	27	28	37
B	28	34	29	40
C	35	24	32	33
D	24	32	25	28

You are required to assign one job to each staff at minimum cost.

2+4+9=15

3.A. 'Informetrics and scientometrics are the measurement related discipline' – Justify.

Discuss their scope in various areas.

8+7

Or

3.B. Define 'citation analysis'. Briefly explain various applications of citation analysis, showing importance of each.

3+5+7