

**RABINDRA BHARATI UNIVERSITY**  
**2019**

**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.*

1. Attempt **any ten** questions: 1x10
  - i. What is 'Lotus Notes'?
  - ii. Who used the term 'Knowledge Society' first time and when?
  - iii. Who used the term 'Post Industrial Society'?
  - iv. Give two examples of content management software.
  - v. Who developed the model of 'Knowledge Conversion'?
  - vi. What do you understand by 'Consumer Analysis'?
  - vii. What is a nonprofit organization?
  - viii. What are the various types of marketing?
  - ix. What is a 'Niche product'?
  - x. Define the term 'Elasticity analysis'.
  - xi. Differentiate between 'public good and private good'.
  - xii. What is KM 2.0?
  
2. Write short notes on **any two** of the following: 5x2
  - a. Information as economic resource
  - b. Marketing Cycle
  - c. Knowledge sharing
  
3. Answer **any two** questions:
  - a) What issues are involved in the transformation of the present society into a knowledge society in the context of India? Discuss the characteristic features of a knowledge society. 7+3
  - b) What is the advantage of introducing Knowledge Management system in a library? Differentiate between tacit knowledge and explicit knowledge. 7+3
  - c) Discuss the importance of marketing in libraries in an age of diversity. Differentiate between marketing audit and market segmentation. 5+5

**RABINDRA BHARATI UNIVERSITY**  
**2019**  
**M.Lib.I.Sc. Second Semester Examination**  
**Course – 202**  
**Contest Design and Technical Writing**

**Full Marks – 40**

**Time – 2 Hours**

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

1. Answer any ten of the following questions: 1x10

- i. What is open access?
- ii. What is software documentation?
- iii. Define Digital Divide?
- iv. What do you mean by “CC by NC”?
- v. What is Desktop publishing (DTP)?
- vi. What is gold open access
- vii. Metacrawler is an example of what?
- viii. Name any two tools for Technical Writing.
- ix. What is the full form of DHTML?
- x. Define Flip Charts.
- xi. Name any two graphic tools that may be used for Technical Writing?
- xii. Which type of chart is used in representing Chronological sequence of activities?

2. Answer any two of the following: 5x2

- a) Corporate writing
- b) Steps in preparation of a Dissertation
- c) Blind Peer Reviewing

3. Answer any two of the following:

- a) Distinguish technical writing from Creative writing? Briefly highlight the technical writing skills to be obtained by library and information professionals. 4+6
- b) Discuss the guidelines for e-content creation. 10
- c) What is ‘Newsletter’? Give two examples of information usually found in a company newsletter. Suggest a suitable lay-out of a newsletter of a cultural organization. 2+2+6

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

**Course – 203**

**Information Processing (Practical)**

**Full Marks – 40**

**Time – 2 Hours**

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

Answer all questions:

1. Construct class number of any five of the following subject descriptions using CC7: 4 x 5

- a) Proceedings of the International Conference on origin of life on Earth held at London, 19-24 august, 1998.
- b) Study on effect of fasting on the intestinal absorption of Carbohydrates.
- c) Control measures for bacterial disease I the flowers of coconut.
- d) Annual report of the Director of central Banana Research Station, Aduthurai (Tamilnadu), (Estd, 1944) for the year 1998.
- e) Treatment of skin diseases of children by Unani System of Medicine.
- f) A short history of modern Arabic Literature.
- g) Comparative study of pronouns of Indo-European Languages.
- h) Models of Indian Library building.

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

20

**RABINDRA BHARATI UNIVERSITY**  
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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 hand side margin indicate marks.*

Answer **all** questions:

**Group- A**

1. Prepare bibliographical record of the following item according to MARC-21.  
Cover:

10

Robert Starer  
Sonata for Piano, No. 3  
A publication of MCA music publishing  
A division of MCA Inc.  
777 W. Bluemound Rd. Milwaukee, W153213  
Distributed by Hal Leonard

*Foot of the page:*

© Copyright 1994 by MCA Music  
Publishing, A division of MCA Inc.  
One score of 23 pages.  
Height : Thirty One centimeters.  
Publisher's Number: HL00120015 of Hal Leonard.

**Group- B**

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

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

2A. *Information from Map:*

10

Falk Plan No. 118  
Frankfurt a.m. Offenbach  
In Hyperboloid-Projektion mit Kilometernetz  
Scale: 1:16500=1:27500  
Falk-Verlag  
Humburg.Paris.London.New York  
© 1970

**O.I.** - One coloured map of 75×103 cm folded in cover 21×11 cm.

If contains Index map of Frankfurt and strassenverzeichins Nordwestrtadt. Scale: 1:8000-Hanan.scale : 1:28000, inserted in strassenverzeichnis.

*Or*

2B. **Container:** 48 Piece Antique Replica

10

Alice in Wonderland

Card Game Set

With the original illustrations

In full color

Merrimack Publishing Corporation, New York

**O.I.** : Reproduced from the antique original set, featuring John Tenniel,s illustrations.

Original work “Alice’s advantages in Wounderland” by Lewis Carrdl (1832-1898).

One color game with 48 cards in 10×7×2 cm dimentions.

Group- C

2. Illustrate the steps in designing a thesaurus on any specific micro-subjects of your choice taking atleast thirty (30) terms.

(Internet may be used for term collection)

**RABINDRA BHARATI UNIVERSITY**  
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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 hand side margin indicate marks.*

Answer all questions:

1. Answer any ten of the following questions: 1x10

- i. Who are the core members of UGC-Infonet Digital Library Consortium?
- ii. What is handle system?
- iii. What is “Digital Rights”?
- iv. Mention the suffix and prefix of the following  
DOI 10.1108/146845202104338.
- v. What does NISO stand for?
- vi. What is structural Metadata?
- vii. Define Metadata schema.
- viii. What is MODS?
- ix. Who developed LOM?
- x. Define a simple RDF statement.
- xi. Why “Get Record” verb is used for?
- xii. What is “Creative Commons”?

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

- a) Persistent URLs
- b) Dspace Submission Workflow
- c) RDF Data Model

3. Answer any two of the questions:

- A) i) Describe with a block diagram the core architecture of a digital library system.  
ii) Differentiate among ‘federated’, ‘aggregated’, ‘Meta’ and ‘Distributed’ search.  
iii) Differentiate between ‘notional’ and ‘technical’ architecture of a digital library. 4+4+2
- B) i) What is interoperability? Enumerate different types of interoperability?  
ii) Describe how interoperability is implemented in digital library? 2+2+6
- C) i) What is ‘Metadata Harvesting’? How does it work?  
ii) What is metadata Registry and why is it important? 2+4+4

**RABINDRA BHARATI UNIVERSITY**  
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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.*

1. Answer any ten questions: 1x10
- i. Write the full form of FORSA.
  - ii. What stands for PERT in network analysis?
  - iii. Which organization is responsible for developing 'e-pathsala' and in which year?
  - iv. Who are the members of INDEST?
  - v. Define CVP in the context of designing a network.
  - vi. Write the names of the software used in Shodhganga and its developer.
  - vii. Name any two official languages of the International Organization for Standardization (ISO).
  - viii. Mention the function symbol of DFD.
  - ix. Which term is used in modern perspective in place of 'threat' in SWOT?
  - x. Mention two functions of ICOLC.
  - xi. Which ISO 9000 provides guidelines for continuous performance improvement?
  - xii. Mention two basic principles of Open Course Ware (OCW).
2. Write short notes on any two of the following: 5x2
- a) INFLIBNET
  - b) E-Sodhsindhu
  - c) Corporate Ergonomics
3. Answer any two of the following questions:
- A. What are the basic considerations for designing a resource sharing network? Describe briefly any such network of Indian Origin. 4+6
  - B. What is 'Library Consortia'? Elucidate the functions and major hindrances of library consortia. Distinguish between full-text database and bibliographic database. 1+7+2
  - C. What do you understand by 'Service quality of libraries'? What are the five dimensions as stated by M. K. Brady and J. J. Cronin, on which the service quality of a library depends? 4+6

# RABINDRA BHARATI UNIVERSITY

## 2019

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

#### Course- 207

#### Library Statistic and Information

Full Marks-40

Time- 3 Hours

The figures in the right hand side margin indicate marks.

Science Calculator is not allowed.

1. Answer **any ten** questions. 10×1
  - (i) Give an example of 'Ordinal Data'.
  - (ii) 'Statistic' is the characteristic of \_\_\_\_\_.
  - (iii) How Range is calculated for a series of discrete data set?
  - (iv) Sampling error increases with the \_\_\_\_\_ of sample size?
  - (v) Chance error arises from \_\_\_\_\_.
  - (vi) How deviation is calculated?
  - (vii) Zipf's law deals with \_\_\_\_\_.
  - (viii) What is the half-Life period of a subject?
  - (ix) What is H-Index?
  - (x) JCR stands for-
  - (xi) What is meant by mode of a series?
  - (xii) Standard deviation is represented by the symbol \_\_\_\_\_.
2. Write short notes on **any two** of the following: 2×5
  - a) Pearson's coefficient of correlation.
  - b) Journal of Ranking by citation count and Rank numbering when there is a tie.
  - c) Bradford's law.
3. Answer **any two** of the questions:
  - A. (i) Describe the general procedure for testing hypothesis.
  - (ii) Explain the calculation of Standard Error in sampling distribution. 5+5
  - B. (i) Describe the different outcomes of citation analysis and their applications.
  - (ii) Explain Journal Impact Factor and its uses. 6+4
  - C. (i) Explain how to calculate Mean Deviation.
  - (ii) How Z-Score is calculated.
  - (iv) A six face dice was thrown 60 times with following results:

Face:	1	2	3	4	5	6
Frequency:	6	10	8	13	11	12

Are the data consistent with the hypothesis that the 'dice is unbiased'?

[Given :  $\chi^2_{01} = 15.09$  for 5 degree of freedom]. 2+2+2+4



Or

D) Grade Points of six students in English and Bengali are as given below.

Roll No.	1	2	3	4	5	6	7
Grade pt. in English	5	7	6	5	5	8	
Grade pt. in Bengali	4	7	6	4	3	6	

Find the Medians and Modes of Grade points in English and Bengali. Find if there is any correlation between the grade points of the two subjects. Roll No. 7 got Grade 4 in English. Find his probable Grade in Bengali.

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