2016
B. Lib. I. Sc. First Semester Examination
Course – 1.1
(Foundation of Library & Information Science)

Full marks – 40   Time – 2 Hours
The figures in the right hand side margin indicate marks.

1.(a) Briefly discuss the characteristics of different types of Libraries. Discuss the roles and functions of public libraries in present day society.   5+10

Or

  (b) Discuss views of Dr. S. R. Ranganathan on Library and its services in the light of his Five laws of Library Science.   15

2.(a) Justify in brief that librarianship is a profession. Discuss in brief the ethical duties of Library and information professionals.

Or

  (b) Explain why 'Library Legislation' is needed? Describe the salient features of West Bengal Public Library Act.   5+10

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

  (a) Bengal Library Association.
  (b) Unesco Public Library Manifesto.
  (c) attributes of a profession.
  (d) Knowledge, information and data.

2016
B.LIB.I.SC 1ST SEMMESTER EXAMINATION
COURSE – 1.2
(Library Organization & Administration)

Full Marks – 50 Time – 2 Hours
Answer **all** Question.

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

    (a) Staff manual.
    (b) Stock verification.
    (c) Library Annual Report and Budget.
    (d) 'Core Area' in a Library

2.(a) Discuss the collective role of the librarian and architect in the process of planning and construction of a university library building .write a short note on the site selection and soil testing . 9×6

Or

(b) Name any six section of a library and describe the functions of one of those sections. What is the utility of library shelf rectification ? 3+9+6

3.(a) What is 'Library Rules' ? Why are library rules necessary ? Discuss the main points to be covered in library rules . 2+3+10

Or

(b) Answer **any three** of the following : 5×3
(i) What are 'Library Authority' and 'Library Committee'?
(ii) What is Weeding and why is it necessary ?
(iii) Describe the journey of a library document from ' ordering to shelving' ?
(iv) What do you understand by ' Challan' , 'Invoice' , and 'Accession Register'?
(v) What are 'Frontispiece' and 'Facsimile' ?

2016
B.Lib.I.Sc. First Semester Examination
Course - 1.3
(Classification 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) Analytico-synthetic classification.
(b) Generalia class.
(c) Three kinds of Knowledge.
 (d) Intension and Extension.

2.(a) What is meant by formation of subjects ? Discuss in brief the different modes of f0rmation of subjects with examples. 5+10
Or

(b) Distinguished between enumerative classification and faceted classification. Discuss the common auxiliaries of UDC. 5+10

3.(a) Describe the five Fundamental categories enunciated by Dr. S.R. Ranganathan. Explain the concept of Round and Levels of categories. 5+10

Or

(b) Explain the meaning of Classifications. Describe the purposes of library classification. Discuss with examples five predicable of porphyry.
3+6+6

2016
B.Lib.I.Sc. First Semester Examination
Course – 1.4
(Cataloguing Theory)

Full Marks – 40   Time – 2 Hours

The figures in the high hand side margin indicate marks.

Answer **all** questions.

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

    (a) RDA.
    (b) Principle of osmosis.
    (c) Cataloguing-in-publication.
    (d) Problems of Homonym and synonym.

2. (a) What are the essential criteria for selecting an outer form of a library catalogue? What are the different types of inner form of library catalogue? Which inner form of catalogue will be suitable for a research library and why?
            5+4+6
                                                    Or
    (b) What is main entry? What are the different sections of a main entry according to AACR – 2?
    Illustrate them with suitable examples.
            3+4+8

3. A. (i) What are the purposes of subject cataloguing?   2

        (ii) Write two differences between thesaurus and subject Heading Lists. Why continuous revision of such controlled vocabulary tools is necessary?   2+3

        (iii) What are the different types of subject need of an enquirer? Explain the qualifying and quantifying aspects of those subject needs with suitable examples.
                            5+3
                                                    Or
    B.   (a) Give a proposal for simplification of RabindraBharati University Library Catalogue. 6

(b) What is 'union catalogue'? What are the different layers of standardization for automation of a union catalogue?   2+7

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2016
B.Lib.I.Sc. First Semester Examination
Course – 1.5
(Application of Information Technologies in Library Theory)

Full Marks- 40   Time- 2 Hours
The figures in the right hand side margin indicate marks.

Answer **all** questions.

1. Distinguish between **any two** pairs of the following concepts: 5×2

    (a) Compiler and Interpreter.
    (b) Unshield and shield twisted pair (UTP) Cable.
    (c) Algorithm and flowchart.
    (d) Bibliographic data base and other databases.

2.(a)   1 Tb is exactly equivalent to how many bytes? Draw a conceptual framework of a computer using block diagram and describe the functions of Arithmetic Logical Unit (ALU)and control unit (CU). Mention the features of 4th generation computer . Find the value of x either in

      (i) $(44.50)_{10} = (x)_2$ or in

      (ii) $(11101.101)_2 = (x)_{10}$

    Draw a flow chart to calculate the percentage of marks of eight subjects. [total marks of each subject in 50]
                                                        1+3+3+3+2+3

Or

(b)   Briefly point out the characteristics of algorithm. Differentiate with example between space algorithm and time algorithm. What is computer programming? Discuss the role of pseudocoel in writing computer program. What truncation search techniques with example. 3+3+1+3+2+3

3.(a)   Diagrammatically describe the basic structure of a database. What do you understand by data consistency in database? Explain various search strategies with examples using Boolean operators. What are the advantages and disadvantages of Ring topology?
          3+3+6+3

Or

(b) What is packet switching technology? Point out the seven layer OSI Reference model. Briefly define various key networking protocols in different layers. Explain how www can be used in providing library services.

2+2+6+5

2016
B.Lib.I.Sc. First Semester Examination
Course - 1.6
(Clasification)

Full Marks 40   Time-2 Hours
The figure in the right hand Aide margin indicate marks

Answer *any eight* questions.

Construct the class numbers of the given titles following DDC 23rd edition. Show various steps involved in each case.

1. Times of India: Kolkata edition.
2. Ethics of Library and information science professionals
3. A practical guide to language teaching in primary schools.
4. Financial report of the Ministry of Transport, Govt. of India.
5. Thermal technologies in food processing.
6. Critical appraisal of Romanticism in the 19th Century in the 19th century poetry.
7. Russian - Punjabi Dictionary.
8. The political economy of southern India 1500 - 1650.
9. Statistics of Business and economies.
10. Fundamental of Myocardial diseases.
11. Technique of painting Marine scenes and seascapes in water colour.
12. The conquest of Everest.

2016
B. Lib.I.Sc. First Semester Examination
Course – 1.7
(Cataloguing)

Full Marks- 40   Time – 2 hours
The figures in the right hand side indicate marks.

Answer *any four* questions.

Prepare the main entries with Tracing, necessary Reference entries and Headings (Access Points) for added entries as required for a Dictionary Catalogue according to AACR-2R (1988). Mention the edition of Sear's List of Subject Headings used to assign subject headings.

Abbreviation used :

H. T. P. – Half Title Page

T. P. – Title Page
T. P. (V) – Title Page (Verso)
O. I. – Other Information

1.   T. P. : COHOMOLOGY IN LINEAR ALGEBRA / B. E. JOHNSON / P.M. JENDA / 2nd
Revised and extended edition / De Gruyter.   10
T.P. (V) : De Gruyter / Berlin, New York / 2011/ ISBN : 987-3-11-021520-5.

O. I. : There are twelve preliminary pages numbered in Roman numerals followed by 1-360
textual pages numbered in Arabic numerals. There is a bibliography at the end of the book is
24.3 cm.

2.   T. P. : METHODS IN APPLIED SOIL MICROBIOLOGY AND BIOCHEMISTRY /
EDITED BY / KASSEM ALEF AND PAOLO NANNIPIERI / ACADEMIC PRESS.   10

T. P. (V) : Academic Press / London, New York / 1995 / ISBN : 0-12-513840-7 (set) / Price $
105.30 (set).

O. I. : The book is complete in four volumes and has individual titles :
Vol.1 : Soil microbiology
Vol.2 : Soil biochemistry
Vol.3 : Soil chemistry
Vol4 : Soil biology
Library has all the volumes. Acc. No. 3526-9.
Height of the book is 26 cm.
3.   T. P. : INDIAN LITERARY CLASSICS / No. 6 / MUNDAKA UPANISHAD /
TRANSLATED WITH AN EXHAUSTIVE COMMENTARY / BY / SWAMI
MUNNIYANARYAN PRASAD / AND / ANNOTATED BY / BASANTA KUMAR
GANGULI / Macmillan Press Pvt. Ltd. / New Delhi – 110015.
T. P. (V) : August 1998 / ISBN : 81-246-0105-4 (pbk) / Price Rs. 250.00

O. I. : The book contains sixteen preliminary pages numbered in Roman numerals followed by
17-242 textual pages numbered in Arabic numerals. It is a paperback edition and has 5 plates
inside the book. The textual part of the book is 23 cm.

4.   H. T. P. : World Bank Regional and Sectoral studies / Number 14.   10

T.P. : THE EFFECTS OF PROTECTIONISM / ON A SMALL COUNTRY / THE CASE
URUGUYAY / The World Bank / Washington D. C.

T. P. : (V) : Copyright © 1994 / Published by : The World Bank / 1818 H. Street N. W. /
Washington D. C. 20433 / : 0821327887.

 O.I. : There are ten preliminary pages numbered in Roman numerals. It contains a number of
illustrations and figures. Size of the book is 23.6 x 14.3 cm.

5.   Cover : Volume 7 Number 1 February 2016 / INDIAN JOURNAL OF PHYSICS PART
B.   10

Back Cover : ISSN : 0252-9254 / Published by Indian Association for the Cultivation of Science / 2A & 2B Raja Subodh Chandra Mullick Road, Kolkata – 700 032 / Editor : Prof. Subham Majumder / Frequency : Six issues yearly

O.I. : (a) This bimonthly journal completes one volume in a calendar year. It is still being published. The library is subscribing to the journal since its inception and has all the volumes except Volume 2, No. 4. It is an illustrated journal. Height of the journal is 24.1. cm.

(b) If continues 'Indian Journal of Physics Part A' (ISSN : 0252-9254) which was started in January 2001 and continued till 2009. Editor : Prof. Pradyot Ghosh. The library did not subscribe to 'Indian Journal of Physics Part A'.

(c) Both the journals have same size, same frequency and same publisher.

6.   আখ্যাপত্র ০ঃ প্রফুল্ল / সামাজিক নাটক / গিরিশচন্দ্র ঘোষ / কলিকাতা বিশ্ববিদ্যালয়ের বাংলা সাহিত্যের আধ্যাপক / ডক্টর শ্রী আশুতোশ ভট্টাচার্য এস. এ., পি-এইচ. ডি / সম্পাদিত / চতুরঙ্গ প্রকাশন।

আখ্যাপত্রের বিপরীত পৃষ্ঠা ০ঃ চতুরঙ্গ প্রকাশন / ৬০ সত্যেন রায় রোড / কলিকাতা – ৩৪ / প্রথম সম্পাদিত সংস্করণ / সেপ্টেম্বর ১৯৬২ / মূল্য ৩ টাকা।

অন্যান্য তথ্য ০ঃ বইটির প্রারম্ভিক পৃষ্ঠা আশি। মূল পাঠ্যাংশ ১-১৪৫ পৃষ্ঠা। গ্রন্থমাপ ০ঃ ২০ x ১৪ সেমি।

2016
B. Lib. I. Sc. First Semester Examination
Course – 1.8
(Application of Information Technologies in Libraries [Practical]**)**

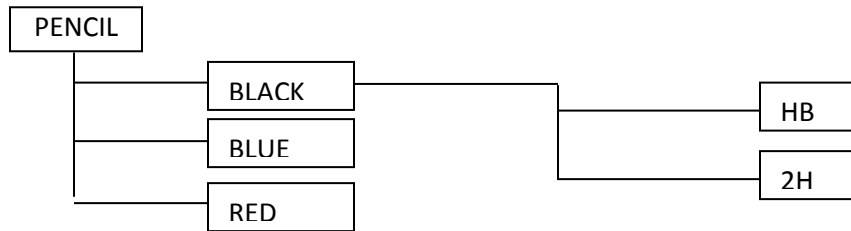Full marks – 40   Time – 2 Hours
The figures in the right hand side margin indicate marks.

Answer any four questions.

1.   Write MS-DOS commands to perform the following tasks.   3+2+2+2+1
       (a) Create following directories under c:\

       (b) Rename the directory from RED to GREEN.
       (c) Write DOS command to create a file named 'scale' under the directory 'PENCILE' .
       (d) Write DOS command to copy the file 'scale' from specified path to the directory '2H'
          .
       (e) Write DOS command to remove the directory 'BLUE'.

2. Execute the following tasks using Linux commands.

5+5

(a) Create a file BLI under a Sub-Directory BLIS which is under a Directory RBU whose content is as follows - We are learing Linux basics ..
(b) Copy the content of above file and paste it in a new file under RBU / MLIS / new. txt.

3. Create a file in MS-word. The file name should be your name and roll number. Write the steps to execute the following tasks in the above file.

2+2+2+2+2

(a) Set the page size to A4.
(b) Create 1 inch margin on all sides.
(c) Write the following text according to the instructions given below:

The ILMS packages developed in all parts of the world since mid 1970s till date may be fitted into four categories or generations.
The first generation.
The Second generations.
The Third generation.
The Forth generations.

(i)   Make all the text bi-column.
(ii)   Make line spacing 'double' and paragraph spacing as 0.8 points.
(iii)   Show how to use a foot note on 'LMS' (appearing is the first line of the first paragraph). The foot note should contain the following text * Library Management Software.

4. Mentain the steps to be performed for the following tasks in MS-Access.

5+5

(a) Create a database named 'Book List' with the field – Title, Author, Publisher, Year, ISBN and insert the following records.

Title	Author	Publisher	Year	ISBN
Encyclopedia of Computer science	R. Anthony	Elsevier	1989	8122402161
Parallel geometry	J. Waarrer	World Scientific	2012	9971500485
Nonlinear dynamics	A. Jacob	Elsevier	2013	8522904431
Cellular immunology	A.K. Abbas	Saunders	2013	0808922661
Basic immunology	A.K. Abbas	Elsevier	2004	8181475313

(b) Design query for :
(i)   How any book titles from the above records contain the word 'immunology'?
(ii)   How many books are published by Elsevier in the year 2013 ?

5. How to search the following queries in the Internet using Google search engine.
    (a) Information on 'Rural development' from India Not Bangladesh during 2016.
    (b) Water and soil pollution but not air pollution. 5+5

Or

6. How to search the following queries in the Internet using excite search engine? 5+5
    (a) Photographs of water pollution in Bangladesh (only Black and white)
    (b) Biographies of Indian Poets written in English Language (only pdf files),