NU/793/II-12/MLIS/I

POST-GRADUATE COURSE

Term End Examination—December, 2010

INFORMATION, COMMUNICATION AND SOCIETY

Paper I

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. Describe the various forms of data representation with suitable illustrations. 18

2. Define information, and state its characteristics. 4+14

3. "There should be proper provisions with regard to the legal aspects of the use of information." Do you agree? Justify your answer.

4. Discuss the different criteria by which information society can be defined.

Group B

Answer *any three* questions. 12×3=36

5. Enumerate the major forms of communication.

6. What is a Patent? What role does it play in protecting the intellectualrights of an inventor? 4+8

7. Highlight the processes through which facit and explicit knowledge are exchanged, transformed and converted.

8. Trace the relationship between information age and information society.

9. Do you think that information is an economic resource? Give reasons.

10. Discuss the marketing principles on which modern libray services are based.

Group C

11. Write short notes on *any four* of the following: 7×4=28
    (a) Categories of scientific data.
    (b) R & D as a contributing factor in the development of information science.

(c) Communication process.
(d) Transfer of information.
(e) Origin of information theory.
(f) Copyright legislations in India.
(g) Limitations of Right to Information.
(h) Bradford's law of scattering.

POST-GRADUATE COURSE

Term End Examination—December, 2010

INFORMATION SOURCES, SYSTEMS AND SCIENCES

PAPER II

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. What do you understand by 'optical media'? Mention its different types. Discuss the aplications of optical disk storage. 4+6+8

2. Do you think that the setting up of a national documentation centre is essential in media for providing sufficient resources in the fields of humanities? Discuss critically. 18

3. (a) What is meant by aids to information sources? In what ways does the reference librarian in this content? 4+6

   (b) Discuss the characteristics and functions of information intermed diaries. 8

4. What is meant by content analysis and mention its objectives? Write the applications of content analysis in verious activities of a library. 3+3+6+6

Group B

Answer *any three* questions. 12×3=36

5. What is hypertext? How does it differ from hypermedia? Explain the term multimedia. 4+4+4

6. Mention names of five important social science organization and briefly discuss their activities. 4+8

7. Discuss in brief the core activities of NISCAIR. 12

8. Which centre is called the Indian MEDLARS Centre and why?—Discuss. 12

9. Write short notes on any two information intermediaries in science and technology. 6+6

10. Enumerate two information sources related to industrial production technologies. 12

Group C

11. Write short notes on *any four* of the following: 7×4=28

(a) Indira Gandhi National Centre for Arts

(b) Central Institute of Indian Languages

(c) Indian Museum

(d) NCERT

(e) DEVSIS

(f) DEVINSA

(g) IFLA publications

(h) UNESCO—aims and objectives

NU–793/11-12/MLIS/3

POST-GRADUATE COURSE

Term End Examination—December, 2010

INFORMATION PROCESSING AND RETRIEVAL

PAPER III

Time—4 Hours *Full Marks - 100*

Weightage of Marks - 80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. What are the rationales for developing Broad System of ordering? How this system is different from any other classification scheme? 9+9

2. What do you understand by the term "bibliographic control"? What are the significance and utility of data elements in bibliographic control? What are the features of document interrelationship that can shape bibliographical data? 4+6+8

3. What is metadata? How metadata is different from a catalogue? What are various types of metadata? Discuss two mefadata standards. 3+3+6+6

4. What are recall and precision? What are their usefulness? What were the objectives of Cranfield test? Highlight the impacts of Cranfield test on information retrieval systems. 3+3+6+6

Group B

Answer *any three* questions. 12×3=36

5. What is intellectual responsibility? Discuss important issues of intellectual responsibility in relation to organization of information. 4+8

6. What is TREC? Discuss findings, criticism and significance of TREC. 4+8

7. What common purposes are served by both classification schemes and subject heading lists? In which way these two tools complement each other? 6+6

8. What are the advantages and disadvantages of using natural language in indexing? 12

9. What are the differences between an indexing system and an index? What are the general features of an indexing system? How those features are manifested in PRECIS indexing system? 4+4+4

10. Discuss the extensive application of Boolean Logic model. 12

Group C

11. Write short notes on *any four*: 7×4=28

(a) MeSH

(b) Common Communication Format (CCF)

(c) Classification of retrieval techniques

(d) Kwic and Kwoc indexing

(e) Purpose and functions of a thesaurus

(f)ISBD

(g) Organization of information on Internet

(h) STAIRS evaluation

POST-GRADUATE COURSE

Term End Examination—December, 2010

MANAGEMENT OF LIBRARY AND INFORMATION SCIENCE

Paper IV

Time—3 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. What do you mean by 'Information Institutions'? What are the different types of Information Institutions? State the functions of two Information Institutions in India. 4+4+10
2. How would you organise an information centre? What are the basic functions of information centre? Enumerate the services provided by any information centre in short. 6+6+6
3. What is information consolidation? Enumerate the processes involved in information consolidation. How does the Unesco play an important role in this regard? Write briefly. 4+6+8
4. Define trade catalogue. What purpose does it serve? Discuss the features of trade catalogues mentioning their different types. 4+4+10

Group B

Answer *any three* questions. 12×3=36

5. What are the components of a data centre? Discuss the needs covered by the data centre. 6+6
6. What is referral centre? Write a short note on the publication programme of referral centre. 4+8
7. Write a note on the scope of literature searching. Enumerate the devices adopted for searching. 4+8
8. Define document delivery service and describe the different categories of document delivery service. 12
9. Describe the important translation pools in the world. 12
10. Write a note on the development of report literature mentioning the different types of technical reports. 12

Group C

11. Write short notes on *any four* of the following: 7×4=28
    (a) Information Resources;
    (b) Clearing Houses;
    (c) OCLC;
    (d) Translation Tools;
    (e) Review Journals;
    (f) Message Streams and Transaction Streams;
    (g) Online Searching.

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER V

MANAGEMENT OF LIBRARY AND INFORMATION CENTRE

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. Discuss the relationship between administration and management. What are the principles of library management? 10+8
2. Discuss critically the role of librarian in the library system. 18
3. Discuss with illustrations the different administrative departments in a large academic library. 18
4. (a) What are the methods of financial estimation? 9
   (b) State briefly the attributes and functions of the human resource manager. 9

Group B

Answer *any three* questions. 12×3=36

5. What is collection management? How does it differ from collection development? 4+8
6. State the salient features of the resource management strategy. 12
7. What is an electronic library? How will you organise an electronic library? 4+8
8. Discuss the importance of library statistics. How can it be used as a management tool? 5+7
9. What is meant by induction and orientation? 6+6
10. Discuss the role of planning in a library and information centre. 12

Group C

11. Write short notes on *any four* of the following: 7×4=28
    (a) Zero-Based Budgeting (ZBB);
    (b) File Transfer Protocol;
    (c) Annual Report of a Library;
    (d) Library Records;
    (e) Decision Making;
    (f) CD-ROM Databases;
    (g) Performance Evaluation;
    (h) Job-Analysis.

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER VI

INFORMATION TECHNOLOGY

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

GROUP A

Answer any two *questions.* 18×2=36

1. What is an OPAC? Discuss various subsystems in relation to OPAC. 4+14
2. Compare and contrast any two general purpose database packages. 18
3. What is an operating system? Discuss important features of windows NT operating system. 4+14
4. What is bar-code? What are the importance of bar code in library automation? Discuss various technologies associated with bar code. 3+6+9

GROUP B

Answer any three *questions.* 12×3=36

5. Define the concept of network protocal. Discuss briefly various layers of OSI model with the help of a diagram. 4+8
6. What is database system? When do you use database system? Duscuss major types of database organization. 2+3+7
7. What is flow-chart? Discuss with examples application flow charts. 4+8
8. Discuss the parameters which can be used to evaluate library management software. 12
9. What is retrospective conversion? Discuss probable steps in retrospective conversion. 4+8
10. What is sorting? What are different kinds of sorting? Discribe any two of them. 2+3+7

Group C

11. Write short notes on *any four* of the following: 7×4=28

(a) UNICODE

(b) Open access initiative

(c) Z 39.50

(d) Heap sort

(e) Circuit switching

(f) CDS/ISIS

(g) Compilers

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER VIIE1

PRESERVATION AND CONSERVATION OF LIBRARY MATERIALS

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

GROUP A

Answer any two *questions.* 18×2=36

1. What do you mean by preservation and conservation in libraries? 18

2. What are the physical elements that constitute a book? 18

3. How the biological agents cause decay and deterioration of library materials? Explain with suitable examples. 18

4. Describe the methods of fumigation to disinfect library materials. 18

GROUP B

Answer any three *questions.* 12×3=36

5. Differentiate between tissue lamination and chiffon lamination. 12

6. How handmade paper is different from machine made paper? 12

7. Explain how good housekeeping may be achieved in libraries. 12

8. What are the commonly used adhesives for book binding? Describe how adhesives attract biological agents of decay. 6+6

9. How unwanted stains on book may be caused? How stains can be removed? 6+6

10. What is digital preservation? Discuss the problems and prospects of digital preservation. 4+8

Group C

11. Write notes on *any four* of the following: 7×4=28
    (a) Acidity of paper
    (b) PVA Adhesive
    (c) Preservation of sound recordings
    (d) Aerosols
    (e) Book lice
    (f) Signature
    (g) Control of Mildew in library
    (h) Microforms.

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER VIIE-2

RESEARCH METHODOLOGY

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting.
The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions:

1. What are the ethical issues you must consider while researching? 18
2. What do you mean by content analysis? Describe its purposes and uses. What are the problems and limitations of content anslysis? 4+10+4=18
3. Describe the meaning and purpose of statistical study. How will you apply this method in library and information science research? What are the advantages of statistical study? 4+8+6=18
4. "Analysis is a critical examination of collected data or facts."—Discuss. What are the major steps to be included in an exercise of data analysis? 6+12=18

Group B

Answer *any three* questions:

5. What do you mean by research problem? 12
6. "The most common use of evaluation is to determine the effectiveness of a programme and sometime the organisation itself."—Discuss. 12
7. How do you evaluate historical research? 12
8. Define qualitative research and mention its characteristics. 4+8=12
9. How do you define hypothesis in a research? How hypothesis in a query and the theory of the subject under enquiry are related? 4+8=12
10. Compute the mean for the data given below: 12

No. of Requisition	No. of days	No. of Requisition	No. of Days
0-24	2	150-174	8
25-49	6	175-199	7
50-74	11	200-224	6
75-99	14	225-249	3
100-124	20	250-274	2
125-149	20	275-299	1

Group C

11. Write short notes on *any four* of the follows: 7×4=28

(a) Quantitative and qualitative research;
(b) Descriptive or survey research design;
(c) Experimental formulation;
(d) Sociogram;
(e) Constructive typology;
(f) Delphi Technique;
(g) Geometric mean;
(h) Bar-charts.

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER VIIE-3

ACADEMIC LIBRARY SYSTEM

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. "An academic library is concerned with knowledge and its mission is the knowledge management."—Discuss the role and status of an academic library in the context of the above statement. 18

2. "... An academic library has to ensure collection and organization of recorded knowledge following the aims and objectives of the particular academic institution."—Describe how an academic library provides learning support as per the demand of its user's community? 18

3. Write a note from which the origin of Indian University libraries may be traced. Illustrate your ideas on the Nalanda Mahavihara (popularly known as Nalanda Biswavidyalaya) of Ancient India. 6+12

4. What are the objectives of the reference services in a large academic library? How will you differentiate information services from reference services? What do you understand by referral services? 6+6+6

Group B

Answer *any three* questions. 12×3=36

5. "The library-college concept has introduced a complete change in traditional method of learning."—Discuss the concept, concern of librarian and participation of students in 'library-college' compared to traditional learning system. 12

6. Classify and define different types of academic library briefly. 12

7. "E-journals have now become a compulsion for the academic library throughout the world to subscribe."—Discuss the above statement emphasizing the Indian scenario. 12

8. Discuss what are the functions of a library committee of an academic library? 12

9. What do you understand by cooperative collection management? Identify the areas of such cooperation in an academic library. 4+8

10. Discuss different financial sources of academic libraries. 12

Group C

11. Write short notes on *any four* of the following: 7×4=28

(a) Correspondence Schools and Open University systems;

(b) Bibliophone Transport System;

(c) Curriculum and Collection Development in an academic library;

(d) Job Description and Job Specification for academic library;

(e) Preparation of Budget in an academic library;

(f) Financial status and functions of an academic library;

(g) Web Potal;

(h) INFLIBNET.

POST-GRADUATE COURSE

Term End Examination—December, 2010

PAPER VIIE-4

PUBLIC LIBRARY SYSTEM

Time—4 Hours *Full Marks—100*

Weightage of Marks—80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Group A

Answer *any two* questions. 18×2=36

1. Define public library. Explain the factors that influence growth of public library as a social institution. 4+14
2. Discuss the impact of IT in the housekeeping operations of a public library. 18
3. State the objectives of National Policy on Library and Information Service in India. Describe the recommendations of D. D. Chattopadhyay Committee regarding setting up of a public library system in India. 8+10
4. What are the objectives of resource sharing in public libraries? Describe some of the areas in public libraries where resource sharing can be implemented. 6+12

Group B

Answer *any three* questions. 12×3=36

5. Discuss the role of public libraries in adult education. 12
6. Discuss the development of public library system in West Bengal. 12
7. Discuss the impact of ICT on public library services. 12
8. Discuss the extension services which may be provided by a public library. 12
9. Discuss the various sources of finance for public libraries in India. 12
10. Describe the organisational structure of a public library as recommended by the Model Public Library Bill. 12

Group C

11. Write short notes on *any four* of the following: 7×4=28
    (a) Role of library associations in the promotion of public libraries in India;
    (b) Children's libraries;
    (c) Objectives of RRRLF;
    (d) Skill of staff in a public library;
    (e) Library cess;
    (f) Community tele centre services;
    (g) Digital environment;
    (h) Press and Registration of Books Act, 1867.