POST-GRADUATE COURSE

Term End Examination – June, 2018

MASTER OF LIBRARY AND INFORMATION SCIENCE

Paper-III : Information Processing and Retrieval

(New : From July 2016 Enrolment Session

Old : Up to July 2015 Enrolment Session.)

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* of the following questions :

18 × 2 = 36

1. What is the epithet of the acronym PRECIS ? Mention the features of index entries, generated according to PRECIS. Demonstrate, with examples, the different steps involved in the generation of index entries in standard format by PRECIS. 3 + 5 + 10

2. What do you mean by machine-readable storage and exchange format ? Mention the major components of the machine-readable record format of a particular bibliographic item. Show your acquaintances with USMARC and UNIMARC. 3 + 3 + 6 + 6

3. In which sense, an indexing language is an artificial language ? Explain the necessity of an indexing language for information representation and retrieval. Discuss the different characteristics of an indexing language. 3 + 5 + 10

4. Discuss the characteristics, strengths, and limitations of major IR models. 18

GROUP – B

Answer any *three* of the following questions :

12 × 3 = 36

5. Why do you need a theory of indexing ? Discuss the contributions of B. C. Laundry and Gerard Salton in building the theory of index terminology. 4 + 8

6. Distinguish between Term Entry System and Item Entry System. Explain the different operational stages of the Uniterm indexing system. 4 + 8

7. What are the major characteristics of Four Era of IRR language ? Explain the reasons behind the coexistence of natural language and controlled vocabulary in IRR. 4 + 8

8. Explain the 'Term Frequency Methods' and 'Linguistic Methods' in automatic indexing. Discuss the impact of automatic indexing on LIS professionals. 8 + 4

9. What do you mean by retrieval technique ? Describe salient features of different network based retrieval techniques. 3 + 9

10. Write a short essay on TREC in terms of its objectives, significance, findings and criticisms. 12

GROUP – C

Answer any *four* of the following questions : $7 \times 4 = 28$

11. Write the scope and applications of SGML.

12. Explain the Elementary categories of POPSI.

13. Write a note on the COMPASS.

14. Discuss the scope and structure of UNESCO Thesaurus.

15. Highlight the principles adopted for identification and consistency of bibliographic records.

16. Explain the different types of links as evident in different successive steps in the 'chain' of chain indexing.

17. How does the revised edition of the London Classification of Business studies (LCBS-2) serve as a classification Scheme as well as a thesaurus ?

18. Write a note on the RDF.