MLISC 2nd Semester Examination, 2013

INFORMATION AND COMMUNICATION TECHNOLOGY

(Theory - II)

PAPER—MLI - 207

Full Marks : 40

Time : 2 hours

Answer **all** questions

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

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

    5 × 2

    (a) Electronic Theses and Dissertations Management.

    (b) UNICODE

(c) LMSs in India

(d) Types of metadata.

2. (a) What functions are performed by library management software. Trace the evolution of library management software, comparing the features of different generations of LMS. 5 + 10

Or

(b) Illustrate the concepts of 'Community' and 'Collection' in any digital repository. Describe the steps associated with the administration of a digital repository. 5 + 10

3. (a) Enumerate the characteristics of an Expert System. Describe its components with suitable diagram. Explain semantic networks as knowledge representation model of the Expert System. 3 + 5 + 7

Or

(*b*) Mention the application areas of Natural Language Processing. Describe the sequence of natural language understanding towards creating Natural Language Interface. Explain the process of syntactic analysis in the context of parsing.   4 + 5 + 6