

2016

M.LI.Sc.

1st Semester Examination

INFORMATION AND COMMUNICATION TECHNOLOGY

PAPER—MLI-107

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Answer all questions.

1. Write short notes on any *two* of the following : 2×5
- (a) FLOSS.
 - (b) Extranet.
 - (c) Array in C.
 - (d) Firewall.

(Turn Over)

2. (a) What are the different kinds of file in UNIX ? How the file system in UNIX is organised ? Illustrate UNIX System Structure with a diagram. Describe file permission options of UNIX with example.

2+2+5+6

Or

- (b) What do you mean by MARC/XML ? Make a comparative study between Z39.50 and SRW/U as open protocols for database service. Describe the role of YAZ proxy in this connection.

3+8+4

3. (a) Distinguish between procedural paradigm and object oriented paradigm. What are the basic data types in C ? Describe variable declaration procedure in C with suitable example.

6+3+6

Or

- (b) What do you understand by Network/Communication protocol ? Describe ISO-OSI seven layer model in this connection.

3+12