2015

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) CLI.

   (b) DDL.

   (c) Elements of a program.

   (d) Network Interface Card.

2. (a) Enumertae the general characteristics of UNIX as an operating system. Describe the different parts of an UNIX system with appropriate diagram. Make a comparative study between LINUX and Windows.

5+5+5

Or

(b) What are the purposes of a database system ? Describe the DBMS architecture with different levels of abstraction. Enumerate the steps in designing a database.

3+8+4

3. (a) What are the basic data types in C language ? Describe the role of various operators in C language. Illustrate the concept of 'type conversion' in C language with appropriate examples.

4+6+5

Or

(b) What do you mean by protocol ? Describe the functions of various networking protocols. Illustrate the concept of layers in networking process.

4+4+7