

MLISC 1st Semester Examination, 2012
INFORMATION AND COMMUNICATION
TECHNOLOGY-I

PAPER – MLI-107

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 in brief on any *five* of the following : 2 × 5
- (i) Changing user's information in UNIX
 - (ii) Downloading several .pdf files from server in one go to your terminal in UNIX system
 - (iii) Purpose of 'scanf' in C
 - (iv) Functions of 'chmod' in Linux

- (v) 'Radio button' in HTML
- (vi) Interpret 'historyless' in Linux
- (vii) 'Long double' in C.

2. (a) Illustrate the relation of UNIX shell and kernel with appropriate diagram and example. State the advantages of UNIX over Windows. Critically evaluate any open source OS. 6 + 6 + 3

Or

- (b) Briefly explain the loop control structure of C language with flowchart. Interpret the arithmetic functions using both integer and real values in C language. 7 + 8

3. (a) Describe the TCP/IP reference model. Compare P2P and Client-Server architecture. 10 + 5

Or

- (b) Explain briefly the e-mail system with all its required components. How is an IP address formed. Compare intranet with Internet. 8 + 2 + 5