

2018

MLISc. 1st Seme. Examination

**INFORMATION AND COMMUNICATION
TECHNOLOGY**

PAPER—MLI-107

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

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

Answer all questions.

1. Answer any four questions :

4×2

- (a) Distinguish between IPV4 and IPV6.
- (b) Name two GUI based OS.
- (c) Define 'loop' in 'C' language.
- (d) Mention any two names of shell in UNIX.
- (e) What is FLOSS ?
- (f) What is the function of NIC ?
- (g) Who and in which period did C language develop.
- (h) What do you mean by 'Copy left' ?

(Turn Over)

2. Answer any *four* questions : 4×4
- (a) Illustrate the functions of Kernel.
 - (b) Distinguish Intranet from Internet.
 - (c) Write a brief note on PGSQL.
 - (d) Describe the mechanism of Subnet Masking in preparing IP Address.
 - (e) Describe the purposes of PERL scripting.
 - (f) Explain in brief on Hacker Sharing Ethics for LIS activities.
 - (g) Write a short note on Open Biblio.
 - (h) Illustrate Hashing Algorithm with example.
3. Answer any *two* questions : 2×8
- (a) What is LINUX ? Which LINUX distributions are preferred in library environment and why ? 3+1+4
 - (b) What is an array ? How is it declared in 'C' language ? Illustrate the process of reading data from one array in 'C' language. 2+2+4
 - (c) Describe different levels in an architecture for any database system ? Explain data manipulation language with suitable examples. 4+4
 - (d) What are the risks associated with network computing ? How are networks categorised ? 3+5