

BLISC 1st Semester Examination, 2012

LIBRARY AUTOMATION AND NETWORKING

(Theory)

PAPER – BLI-108

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
- (a) Barcode
 - (b) Supercomputer
 - (c) Laserjet Printer

(d) Multiuser Operating System

(e) Interpreter

(f) Hexadecimal code

(g) Baud

2. (a) Describe the basic organisation of a computer system with appropriate diagram. Illustrate the process of conversion from decimal code to binary code and vice-versa with suitable examples. 7 + 8

Or

- (b) Explain the relationship among hardware, software, and user with a diagram. Write a brief note on different categories of primary memory. 8 + 7

3. (a) What do you mean by algorithm ? Prepare a flowchart for solving any library related problem, incorporating various flowchart symbols. Explain the compilation process of High Level Language with a diagram. 4 + 7 + 4

Or

- (b) (i) Distinguish between 'analog transmission' and "digital transmission". What are the problems of micro-wave communication system ?
- (ii) Explain satellite communication system.

3 + 6 + 6