

2015

B.LI.Sc.

1st Semester Examination

LIBRARY AUTOMATION AND NETWORKING

PAPER—BLI-108

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) ASCII.
- (b) Flowchart.
- (c) Fibre Optics.
- (d) OCR.

2. (a) Describe Computer as a System. Describe various generations of computer with their technological details. Describe any one module of an automated library house keeping system. 3+8+4

(Turn Over)

Or

- (b) Describe different modes of data transmission. Compare micro-wave system with communication satellite as transmission medium. Distinguish between analog transmission and digital transmission.

3+8+4

3. (a) Enumerate the functions of an Operating System. Describe the concept of multi-programming with appropriate diagram. Mention the advantages and limitations of multi-processing.

5+6+4

Or

- (b) Illustrate the concept of DBMS with suitable diagram. Explain the major file organisation techniques with examples. Describe the network database structure with required diagram and example.

5+6+4