

Roll No.

(12/24)

61204

Discipline Specific Courses (MD-DSC)

EXAMINATION

(For Batch 2024 & Onwards)

(First Semester)

**FUNDAMENTAL OF INFORMATION AND
COMMUNICATION TECHNOLOGY**

BLIS/MD/1/DSC/404

Time : Three Hours

Maximum Marks : 50

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. Attempt all the questions. Each question carries 2 marks : $5 \times 2 = 10$
 - (a) What is library automation and why is it needed ?

- (b) Differentiate between system software and application software.
- (c) List any *two* features of the KOHA library management software.
- (d) Explain 'half-duplex' mode of communication with an example.
- (e) Define Network topology.

Unit I

- 2. Define Information Technology and discuss its need and objectives. 10
- 3. What is an operating system ? Describe its types. 10

Unit II

- 4. What is library management software ? Discuss its key features, and types with example. 10
- 5. Define Library Automation and explain its need, purpose and objectives. 10

Unit III

- 6. Explain the difference between guided and unguided media, giving examples. 10
- 7. What is the purpose, need and objectives of Telecommunications ? 10

Unit IV

- 8. Define a computer network and describe its need and purpose in libraries. 10
- 9. Write short notes on any *two* of the following : 10
 - (i) DELNET
 - (ii) INFLIBNET
 - (iii) NKN.