

BLISC 1st Semester Examination, 2019

**BASICS OF ICT FOR LIBRARY AND
INFORMATION SERVICE**

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*

1. Answer any *four* questions : 2 × 4
- (a) What is 'Integrated Circuit' ?
 - (b) Mention the advantages of hexadecimal code over ASCII.
 - (c) Differentiate between ROM and PROM.

- (d) What do you understand by 'secondary storage device' ?
- (e) What is meant by 'record' in DBMS ?
- (f) What is sequential access ?
- (g) What do you mean by 'half-duplex' mode of communication ?
- (h) What is 'merging' in context of DBMS ?

2. Write short notes on any *four* of the following :

4 × 4

- (a) Flowchart
- (b) Central Processing Unit
- (c) Non-Impact Printer
- (d) Microwave System
- (e) Maintenance Module of Library House Keeping Operations
- (f) Compiler
- (g) Digital vs. Analog
- (h) Network Data Model.

3. Answer any *two* of the following questions : 8×2

(a) Distinguish between 8-bit Computer and 64-bit Computer. Describe the basic organisation of a computer system with diagram. 4 + 4

(b) What is the use of binary system in digital computer? Add 38 with 29 in binary form and verify. 3 + 5

(c) Describe the functions of Operating System. Classify Operating System applying appropriate characteristics. 5 + 3

(d) What is bandwidth? Illustrate satellite communication from one place to another place on the earth. 2 + 6
