

2025

**B.Lib.I.Sc. 1st Semester Examination**

**BACHELOR OF LIBRARY AND  
INFORMATION SCIENCE**

**Paper : BLIC410X0**

**(Basics of ICT Library and  
Information for Services)**

**Full Marks : 50**

**Time : Two Hours**

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**Group - A**

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

**5×4=20**

1. Scanner
2. Compiler
3. Firmware
4. Boolean Search
5. Use of RFID in Library
6. Bandwidth

**P.T.O.**

( 2 )

**Group - B**

Answer any *two* questions :  $10 \times 2 = 20$

7. Find the decimal equivalent of  $[110.101]_2$  and  $[1AC]_{16}$ .  
Subtract binary equivalent of  $[53]_{10}$  from binary equivalent of  $[89]_{10}$ . 5+5
8. Describe the basic architecture of a digital computer with diagram. Highlight the features of fourth generation computers along with their advantages and disadvantages. 5+5
9. Briefly narrate the data storage hierarchy with diagram. Explain the features of indexed sequential file, mentioning their merits and demerits. 4+6
10. Distinguish between analog and digital signal. Illustrate the function of modem in data communication with a diagram. 4+6

**Internal Assessment : 10 marks**

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