

2025

M.Lib.I.Sc. 1st Semester Examination

**MASTER OF LIBRARY AND
INFORMATION SCIENCE**

Paper : MLIC407X0

**(Information and Communication Technology of
LIS)**

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. Shell**
- 2. File system in UNIX**
- 3. Hashing Algorithm**
- 4. OLE**
- 5. INTRANET**
- 6. Logical operators in High Level Programming Language**

P.T.O.

Group - B

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

7. What do you understand by decision control in programming? Describe various relational operators with example. Illustrate the function of 'WHILE' loop with example. $2+4+4$
8. Describe the salient features of a multi-user operating system with special reference to UNIX. Elucidate the role of kernel with suitable example. $8+2$
9. Distinguish between Data redundancy and data inconsistency in context of DBMS. Describe the principal components of a DBMS with diagram. How relational structure is advantageous than network structure of DBMS? $3+3+4$
10. What is DNS? Explain classful IP Address system with example. Highlight the role of specific layers of OSI model in this connection. $3+4+3$

Internal Assessment : 10 marks
