

2023
SRCMUJ
2nd Semester Examination
Integrated MLIS
Library and Information Science
LIS-202

Application of ICT (Information Communication Technology) in Libraries

Full Marks: 40

Time: 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer *any two* from the following questions: 5 x2

- A. What is NLP? How do academic libraries use Artificial Intelligence (AI) to improve their services? 2+3
- B. Make a comparative study of Traditional, Automated and Digital library systems. 5
- C. Differentiate *any two* of the following pairs of concepts: $2\frac{1}{2} + 2\frac{1}{2}$
- a. Machine level vs. Assembly level language
 - b. Compiler vs. Interpreter
 - c. Programming Language vs. Scripting Language
- D. What is Database? State the application of DBMS packages in the digital library. 2+3

2. Answer *any three* from the following questions: 10x3

- A. What is Boolean logic? Explain the applications of Boolean operators with suitable examples in the retrieval of digital information resources. 3+7
- B. What is the client-server architecture of a digital library? What are the key components of digital library architecture and design? 3+7
- C. What is an automated cataloging system? Mention four important advantages of automated cataloging. 4+6
- D. What are the purposes of an automated acquisition system? Write the steps of the serial acquisition process with the help of a diagram. 6+4
- E. What is a flowchart? Explain flowchart with suitable examples. 3+7