

2024
SRCMUJ
2nd Semester Examination
Integrated MLIS
Library and Information Science
LIS-203
Library Automation and Networking

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. Differentiate between **any two** of the following pairs of concepts:

2.5x2

- i. Web 1.0 vs. Web 2.0
- ii. Open Source Software vs. Commercial Software
- iii. ASCII vs. ISCII
- iv. Taxonomy vs. Thesaurus

B. Write brief notes on **any two** of the following concepts:

2.5x2

- i. OAI/PMH
- ii. RDF
- iii. OCR
- iv. OWL

C. Write a short note on Apache Solr as a text retrieval tool.

5

D. Discuss the relevance of Koll's (2000) structural analogy in information retrieval systems.

5

2. Answer any three from the following questions:

10x3

A. What is digital library? Why is GSDL a popular choice for building digital libraries? Explain the steps involved in collection-building using GSDL.

2+2+4

B. What is semantic web? Describe the classical layered approach to the semantic web and illustrate it with a diagram.

2+8

C. What is meant by property in ontology? Describe different object and data property types in ontology, providing suitable examples and diagrams.

2+6+2

D. What is SKOS? Describe the different types of semantic relationships and labels in SKOS, providing suitable examples.

2+4+4