2024
SRMUJ
1st Semester Examination
Integrated MLIS
Library and Information Science
LIS-105
Application of Information Technologies in Libraries (Theory)

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 of the following questions **5×2**

a) What are storage devices? Explain the differences between SSD and HDD. 2+3

b) Explain the five generations of computers with key characteristics and examples. 5

c) Differentiate between analog, digital, and hybrid computers with suitable examples. 5

d) Convert the decimal number 125 into binary and $(101101)_2$ into decimal. 2+3

2. Answer any three of the following questions **10×3**

a) Describe the significance of algorithms and flowcharts in problem-solving. Provide an example of each. 5+5

b) Explain the Fishbone Diagram and Cause-and-Effect Diagram as problem-solving tools with relevant illustrations. 5+5

c) How do Boolean operators enhance data retrieval efficiency? Explain with examples. 4+6

d) Discuss the role of social networking applications in libraries. How do they help in promoting library services and user engagement? 6+4

e) What is the role of the CPU in a computer system? Discuss its main components. 5+5

P.Q.2024