2023
SRCMUJ
Integrated MLIS
1st Semester Examination
Library and Information Science
LIS-105
Application of Information Technologies 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 <u>any two</u> from the following questions: **5 x2**

I. Write a brief note on computer generation. What is CPU? **4+1**

II. Differentiate of the following concepts: **2.5+2.5**
   a. Intranet and Internet
   b. Web 1.0 and Web 2.0

III. Differentiate of the following concepts: **2.5+2.5**
   a. RAM and ROM
   b. Analog Computer and Digital Computer

IV. Convert [233] 10 to binary. Convert "10101001" to decimal. **2+3**

2. Answer <u>any three</u> from the following questions: **10x3**

I. What do you mean by search strategy? Differentiate between searching and browsing. Critically describe the Boolean search techniques with suitable example and diagram. **2+2+6**

II. What is programming language? Differentiate between compiler and interpreter. Categorize programming language as per their level with suitable example. **2+2+6**

III. What is database? Mention any three characteristics of a database. Explainany one model of database. **2+3+5**

IV. What is Flowchart? Solve the problem with proper algorithm and flowchart: "Define the temperature is BELOW or ABOVE the freezing point (water)?" [Condition: Freezing point of water in Fahrenheit is 32 degree] **2+4+4**

V. What is Integrated Services Digital Network (ISDN) ? Categorize switching techniques with suitable diagrams. **2+8**

P.Y.O. 2023