

2024
SRCMUJ
4th Semester Examination
Integrated MLIS
Library and Information Science
LIS-403
Library Data Analytics

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) Give a short note on webometrics and its applications.
- b) What is h-index? Calculate the author's h-index from the given data, an author having 15 publications with citation 19, 32, 30, 22, 20, 1, 7, 25, 4, 8, 1, 5, 2, 3, 1 times. **2+3**
- c) What is g-index ? Show with examples. **3+ 2**
- d) Express your concept of linear growth and exponential growth. **$2\frac{1}{2} + 2\frac{1}{2}$**

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

- a) Explain briefly Bradford's Law of Scattering. **10**
- b) Illustrate your idea on citation analysis. Discuss briefly co-citation analysis. What is bibliographic coupling? **4+3+3**
- c) Discuss in brief How to calculate journal impact factor using various journal level metrics? Differentiate between journal level metric and author level metric. **7+3**
- d) Discuss the concept of Co-word and co-reference. What is in text citation? What is h5 index? **6+2+2**
- e) Why do we require Informetrics study ? Briefly discuss its objectives and its applications. **4+3+3**