

2025
SRMUJ
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* of the following questions** **5×2**
 - a) Briefly discuss about the obsolescence of literature.
 - b) Compare between linear growth and exponential growth.
 - c) Distinguish between bibliographic coupling and co-citation.
 - d) What is arithmetic mean? Point out the limitations of arithmetic mean.

- 2. Answer *any three* of the following questions** **10×3**
 - a) Define the concept of bibliometrics. Briefly discuss the evolution of the concept bibliometrics. 3+7
 - b) Explain Alfred Lotka's inverse square law of bibliometrics with suitable example.
 - c) What do you mean by the growth of literature? In this context briefly describe relative growth rate and doubling time. 3+4+3
 - d) What is impact factor? Illustrate Hirsch index, its method of calculation along with its advantages and disadvantages. 2+8
 - e) Highlight the significance of metrics studies. Briefly describe Ranganathan's concept of librametrics. 6+4