2023
SRCMUJ
3rd Semester Examination
Integrated MLIS
Library and Information Science
LIS-305
Knowledge Management & Research Data Management

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

I. What is Big Data? What are the three main V's of Big Data? 2+3

II. Differentiate between the following concepts: 2.5x2
   a) Text mining and Data mining
   b) Variable and Attribute

III. Differentiate between the following concepts: 2.5x2
   a) Positive Skewness and Negative Skewness
   b) Histogram and Bar diagram

IV. What is information? Define the fundamental equation of information science given by Bertram Brookes (1980). 2+3

2. Answer any three of the following questions: 10x3

I. A. Differentiate between Parametric and Non-Parametric test. 3

B. The opinion of 200 library users about the factor "**financial assistance**" for overall development of rural libraries in West Bengal are given in the following table. Is "**Financial Assistance**" really a factor for library development? [Apply Chi-Square test] 7

Opinion	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
No. of users	46	32	28	38	56

[Given, Degree of Freedom (DF) = 4, Significance level = 0.05, Critical Value (CV) = 9.49]

II. What is Median? Calculate Median from the following distribution: 2+8

No. of books classified per day	11-20	21-30	31-40	41-50	51-60	61-70	71-80
No. of such days in a year	4	6	8	10	7	3	2

III. What is dataset? Give a suitable example. Describe six characteristics of a data set? 3+1+6

IV. What is Knowledge Management (KM)? Mention any four benefits of KM. What are the four steps involved in Knowledge Management System? 2+4+4

V. What is Knowledge? Explain kinds of knowledge with suitable examples. Mention any three characteristics of knowledge. 2+5+3

P.Q. 2023