

2009

( December )

LIBRARY AND INFORMATION SCIENCE

Course No. : C-302

( **Research Methodology in Library and  
Information Science** )

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting at least **one**  
from each Credit

CREDIT—I

1. Discuss the need and purpose of research in the field of Library and Information Science. 15
2. What is 'Research Problem'? Explain the different steps involved in the identification of research problem. 5+10

CREDIT—II

3. Explain S. R. Ranganathan's spiral of scientific method of research. 15
4. Highlight the merits and demerits of 'questionnaire' and 'observation' as tools for data collection. 15

CREDIT—III

5. Define 'Bibliometrics'. Discuss Lotka's law giving suitable examples. 5+10
6. What is 'Citation Analysis'? Explain its objectives and practical utilities. 5+10

CREDIT—IV

7. What do you understand by 'Statistics'? Discuss with suitable examples the use and application of statistical methods in library management. 5+10

8. What is 'Central Tendency'? Calculate the mean, median and mode of the following data :

15

<i>Class Interval</i>	<i>Frequency</i>
20-25	1
25-30	2
30-35	3
35-40	8
40-45	10
45-50	7
50-55	5
55-60	3
60-65	1

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