Seat No.

M – 35

M.Lib. and Inf. Science (Semester – II) Examination, 2012
(New Course)
Paper – III : RESEARCH METHODS AND STATISTICAL TECHNIQUES
(Paper – II)
Sub. Code : 47764

Day and Date : Friday, 4-5-2012
Time :3.00 p.m. to 6.00 p.m.

Total Marks : 80

Instructions : 1) ***All*** *questions are* ***compulsory.***
2) ***All*** *questions carry* ***equal*** *marks.*

1. A) Multiple choice questions.

1) The size arrived at after dividing the total number of measurement by number of items is called
   a) Median
   b) Mode
   c) Mean
   d) None of these

2) Which of the following is based upon a series of questionnaire interchanges often referred to as 'rounds'?
   a) Delfi Technique
   b) Chi-square Test
   c) Scaling Techniques
   d) Web Metrics

3) Statistical sophistication of data is possible through
   a) Data Processing
   b) Tabulation of data
   c) Data Distribution
   d) Diagrammatic presentation

4) Lotka's Law is concerned with
   a) Number of citations
   b) Scatter of literature
   c) Word counts in text
   d) Productivity of authors

5) Which of the following is the statistical package for data processing in research ?
   a) SPSS
   b) IDAMS
   c) Both 'a' and 'b'
   d) Only 'a'

P.T.O.

6) If the values of variables are presented in vertical bars drawn adjacent to each other, it is called
   a) Histogram
   b) Pie-chart
   c) Bar-diagram
   d) Graphs

7) The procedures of assigning numbers to various degrees of opinion, attitude and other concepts is described by
   a) Web Metrics
   b) Citation Analysis
   c) Graphs
   d) Scaling

8) Measures of Dispersion includes
   a) Mean Deviation
   b) Range
   c) Standard Deviation
   d) All the above

9) 'Lottery method' is the method of
   a) Quota sampling
   b) Random sampling
   c) Stratified sampling
   d) Area sampling

10) In a Research report / paper, to refer to an immediately preceding reference the following term is used
   a) Op. Cit b) Loc. cit c) Ibid d) Idem

B) Answer the following questions in **one** or **two** sentences :

1) Define 'Mode'.

2) What is full form of 'IDAMS' ?

3) Who used the term 'Bibliometrics' for the first time ?

4) Which term is used to refer to the same reference in the research report and or paper ?

5) Define 'Range'.

6) Which symbol is used to write 'Chi-square' ?

7) Define 'Regression'.

8) Who's Bibliometric law is concerned with word counts in text ?

9) Which measure of central tendency is also known as 'positional average' ?

10) What is full form of 'SPSS' ?

2. Describe the measures of Central Tendency along with their merits and demerits.

OR

Write an essay on 'Delphi Technique'.

3. Define 'Research Reporting'. Explain the various contents of a research report in detail.

OR

What is 'Bibliometrics' ? Explain its scope, purpose and applications where bibliometric technique can be used.

4. Write short notes (**any four**) :

a) Citation Analysis

b) SPSS

c) Standard Deviation

d) Random sampling

e) Data Processing

f) Qualities of a good research report.