

**M.Lib. & Inf. Sc. (Semester-II) Examination, Nov. - 2013**

**LIBRARY AND INFORMATION SCIENCE (Paper - III)**

**Research Methods and Statistical Techniques (Paper - II)**

**Sub. Code : 47764**

**Day and Date : Thursday, 28-11-2013**

**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.

**Q1) A) Tick mark the correct answer:**

**[10]**

- a) If we apply Delfi Method of research in library and information sciences, what will be the results?
  - i) It will present a tentative solution.
  - ii) It will solve the problems.
  - iii) It will help in the administration.
  - iv) It will predict future developments.
- b) The use of principles of Mathematics and Statistics in the field of library and information science is called \_\_\_\_\_.
  - i) Bibliometry
  - ii) Biometry
  - iii) Librametry
  - iv) Librachine
- c) The steps of writing research report should be based on \_\_\_\_\_.
  - i) Principles of administration
  - ii) Principles of organisation
  - iii) Principles of organisation and presentation
  - iv) Principle of management
- d) "Law of least resistance" was proposed by \_\_\_\_\_.
  - i) Zipf
  - ii) Bradford
  - iii) Lotka
  - iv) Pritchard



- e) The variables which are measurable and objectively verifiable are known as \_\_\_\_.
- i) Quantitative
  - ii) Qualitative
  - iii) Collective
  - iv) Numerical
- f) The Scientometrics is an applications of \_\_\_\_.
- i) Qualitative method
  - ii) Quantitative method
  - iii) Both (i) & (ii)
  - iv) None
- g) SPSS software for Statistical analysis is meant for \_\_\_\_.
- i) Management
  - ii) Psychology
  - iii) Humanities
  - iv) Social Sciences
- h) Regression Analysis is a statistical \_\_\_\_.
- i) Method
  - ii) Technique
  - iii) Tool
  - iv) Process
- i) A complete list of all sampling units from which a sample is selected is called \_\_\_\_.
- i) Sample unit
  - ii) Sample universe
  - iii) Sampling frame
  - iv) Sample population
- j) The t - test is applied when the sample series is \_\_\_\_.
- i) Small
  - ii) Big
  - iii) Enormous
  - iv) Voluminous

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

[10]

- a) Define median.
- b) What is full form of SPSS?
- c) What is regression equation?
- d) What are the two forms of t - test?
- e) What is the purpose of IDAMS package?
- f) Define 'bar chart'.
- g) What are the kinds of Bibliometric studies?



- h) What is a citation?
- i) When the t-test is applied?
- j) What are the four stages of research report?

Q2) Discuss the current trends in library and information science research. [20]

OR

Write a detailed note on data presentation techniques.

Q3) Explain how SPSS and IDMAS statistical packages are useful for analysis and interpretation of data. [20]

OR

Explain the methods of citation for books and journal articles as stated in Chicago, APA and MLA style manuals.

Q4) Write short notes (any four): [20]

- a) Sampling methods
- b) Chi square test.
- c) Regression linear and non - linear.
- d) Mean, Mode, Median.
- e) Inferential Statistics.
- f) Bradford's law.

