

Seat No.	
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M.Lib.& Inf. Sc. (Semester - II) Examination, April - 2017
LIBRARY AND INFORMATION SCIENCE (Paper - III)
Research Methods and Statistical Techniques (Paper - II)
Sub. Code : 47764

Day and Date : Wednesday, 19 - 04 - 2017

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

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

Q1) A) Choose the correct answer.

- i) The "Chi Square Test" is related to
 - a) Data Selection
 - b) Data Analysis
 - c) Hypothesis formation
 - d) Conclusion drawing
- ii) "Law of least Resistance" was prepared by
 - a) ZipF
 - b) Bradford
 - c) Lotka
 - d) Pritchard
- iii) In research study analysis and interpretation of data is useful for
 - a) Stating objectives of research
 - b) Testing of research results
 - c) Determining research methodology
 - d) Making inferences and drawing conclusions
- iv) The term Bibliometrics is the combination of -
 - a) Three words
 - b) Four words
 - c) Two words
 - d) None
- v) The scientometrics is an applications of -
 - a) Qualitative method
 - b) Quantitative method
 - c) Both a & b
 - d) None

- vi) A big difference between the mean and median is an indication that
- a) There is a mistake in the calculation
 - b) The calculation is correct
 - c) Identification of author of document
 - d) None of the above
- vii) Delfi Technique is concerned with
- a) Data recognition
 - b) Analysis of data
 - c) Data collection
 - d) Data interpretation
- viii) The t-test is applied when the sample series is
- a) Small
 - b) Big
 - c) Enormous
 - d) Voluminous
- ix) Mode is the value of the variable having maximum
- a) Frequency
 - b) Occurrence
 - c) Appearance
 - d) Repetition
- x) Regression Analysis is a statistical
- a) Method
 - b) Technique
 - c) Tool
 - d) Process

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

- i) What are the parametric test?
- ii) Define 'Mean'.
- iii) What is the full form of IDAMS?
- iv) What are the methods of sampling?
- v) Define bibliometrics.
- vi) On which journals name term 'Scientometrics' is introduced?
- vii) What are the phenomena that have included in the informatics?
- viii) Which symbol is used to write 'Chi-Square'?
- ix) Define Zipf's Law
- x) What is Co-Citation?

Q2) Write a detailed note on process of Data Analysis and interpretation and data presentation techniques.

OR

What are the methods of sampling? Explain in detail with examples.

Q3) Explain the methods of citations for books and journals in Chicago, APA & MLA Style manual.

OR

Write an essay on 'graphical presentation of data'.

Q4) Write short notes (any four) :

- a) Web metrics
- b) IDMAS
- c) Chi Square test
- d) Lotka's law
- e) Z-T test correlation
- f) Measures of Dispersion