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Seat No.

M.Lib. & Inf. Sc. (Paper-III) (Semester-II) Examination, 2013

LIBRARY AND INFORMATION SCIENCE

Research Methods and Statistical Techniques (Paper-II)

Sub. Code : 47764

Day and Date : Saturday 04-05-2013 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) Tick mark [✓] the correct answer: [20]

1) Bar charts and pie charts are the examples of data.

a) Expression b) Presentation

c) Reduction d) Compression

2) The end part of research report includes

a) Table of contents b) List of Tables

c) Glossary d) Introduction

3) A sampling technique where population is devided into similar groups and then sample is made.

a) Cluster sampling

b) Systematic sampling

c) Simple random sampling

d) Stratified Random sampling

4) The law which describes the productivity of authors with in the subject field is

a) Lotka's Law b) Bradford's law

c) Zipf's law d) Pritchard's law

5) Geometric figure to indicate each person and connecting lines and arrows is known as

a) Ideogram b) Sociogram

c) Monogram d) Hologram

P.T.O.

6) Inference is a conclusion based on

a) Imagination b) Reflection

c) Observation d) Reasoning

7) Paired t-test is applied when observations are made from the same group at

a) One time point b) Two time points

c) Multiple time points d) Several time points

8) A complete list of all sampling units from which a sample is selected is called.

a) Sample unit b) Sample universe

c) Sampling frame d) Sample population

9) The variables which are measurable and objectively verifiable are known as

a) Quantitative b) Qualitative

c) Collective d) Numerical

10) SPSS software for statistical analysis is meant for

a) Management b) Psychology

c) Humanities d) Social Sciences

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

1) What is co-citation?
2) What are the four stages of research report?
3) Define bibliometrics.
4) When the t-test is applied?
5) What are the two phenomena that have included in the 'informetrics'?
6) What is the purpose of IDAMS package?
7) What are the methods of sampling?
8) Define 'Histogram'.
9) What is mean by LOC. Cit?
10) Define median.

Q2) Discuss the bibliomatric laws with their significance. **[20]**

OR

Describe the SPSS and IDMAS statistical application packages in relevance with their usefulness in library and information science research.

Q3) Explain in detail the various components involved in research reporting. **[20]**

OR

Write an essay on current trends in library and information science research.

Q4) Write short notes on any four: **[20]**

a) Measures of dispersion, variance and covariance.

b) Mean, Mode and median.

c) Inferential statistics.

d) Bibliographic coupling.

e) Delfi Technique.

f) Regression Linear and non- linear.

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