M.L.Ib. & Inf.Sci. (Semester - II) Examination, April - 2015  
LIBRARY AND INFORMATION SCIENCE (Paper - III)  
Research Methods and Statistical Techniques  
Sub. Code : 47764

Day and Date : Thursday, 30 - 04 - 2015  
Time : 03.00 p.m. to 06.00 p.m.  

Total Marks : 80

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

Q1) A) Multiple choice questions (tick-marks ✔ the correct answer) :

i) E.W. Hulme studied the literature and called it as _____.  
a) Statistical analysis  
b) Statistical bibliography  
c) Librametry  
d) Bibliometry

ii) Who introduced the term scientometrics?  
a) O. Nacke  
b) E. Cole  
c) T. Braunin  
d) Nellie Eales

iii) Informetrics was proposed in the year _____.  
a) 1979  
b) 1969  
c) 1959  
d) 1978

iv) Which of the following value is not a measures of central tendency?  
a) Range  
b) Mean  
c) Mode  
d) Median
v) The end part of research report includes _______.
   a) Table of contents   b) List of Tables
   c) Glossary           d) Introduction

vi) Which of the following sampling types is not probability sampling?
   a) Lottary method    b) Systematic sampling
   c) Cluster sampling  d) Purposive sampling

vii) Which is a middle value in a series of values that divides distribution into two equal parts -
     a) Median           b) Mean
     c) Mode             d) Range

viii) What is the meaning of a research report? (The steps of research report writing should)
      a) Principles of administration
      b) Principles of organization
      c) Principles of organization and presentation
      d) Principles of management

ix) "Score Carde" is a kind of tool for _______.
    a) Data collection    b) Data generation
    c) Data analysis      d) Sampling

x) What is the meaning of a research report?
    a) An effective way of communication
    b) Tool of research
    c) A means of research
    d) A normal way of communication
B) Answer the following questions in one or two sentences:

i) What is regression equation?

ii) What is sampling error?

iii) The formula for Zipf's Law is ________.

iv) In Graph, the value of independent variable scaled on the ________.

v) In graphical presentation, the vertical line intersecting on ____ axis.

vi) What is a citation analysis?

vii) What is full form of "SPSS"?

viii) Define percentile

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

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

Q2) Describe the measures of central tendency along with their merits and demerits. [20]

OR

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


OR

Define 'Sampling'. Explain it's types in detail.
Q4) Write short notes (any four):
   a) Citation Analysis
   b) Delphi Techniques
   c) Measures of Dispersion
   d) Lotka's Law
   e) Bibliographic coupling
   f) Pie-chart