M. Lib. and Inf. Sci. (Semester – I) Examination, 2012
LIBRARY AND INFORMATION SCIENCE
Paper – III : Research Methods and Statistical Techniques
(Paper – I) (New)
Sub. Code : 47753

Day and Date : Friday, 23-11-2012
Time : 10.30 a.m. to 1.30 p.m.
Total Marks : 80

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

1. Multiple choice questions :
   A) Choose the correct answers :
   1) Research is
      a) An intellectual process  b) A mechanical process
      c) A mental process     d) A Semi-mechanical process
   
   2) Pragmatic research is based on
      a) Observation research     b) Experimental research
      c) Observation and experimental research
      d) Fundamental research

   3) In research, deductive logic proceeds from
      a) General to particular
      b) Particular to general
      c) General to general
      d) Particular to particular

   4) Historical method of research can be applied
      a) Only in history
      b) Only in literary history
      c) Social Science
      d) In all subjects

P.T.O.
5) The 4 cell design is used in
   a) Experimental
   c) Case studies
   b) Survey
   d) Historical methods

6) In a questionnaire ‘open ended’ questions are
   a) Fixed response questions
   b) Structured questions
   c) Questions are not open for interpretation
   d) Answer may be filled in by respondent freely

7) The sampling method that combines the advantages of both random
   samples as well as stratified sampling is
   a) Multi-stage or clustered Sampling
   b) Stratified sampling
   c) Extensive sampling
   d) None of the above

8) Model value in measures of Central Tendency is the value
   a) Which is central one
   b) Which occurs most frequently and minimum times
   c) Which occurs at the beginning
   d) Which occurs at the end

9) Zipf’s law of Bibliometrics is concerned with
   a) Word counts in a text
   b) Frequency of publications
   c) A scattering pattern
   d) None of the above

10) Which of the following is statistical package for data processing in
     research
         a) SPSS
         c) MICROSTAT
         b) FDAM
         d) All the above
B) Answer in one or two sentences:
1) In research report/paper, to refer to an immediately preceding reference, the term is used as __________
2) The term Bibliometrics is first used by __________
3) An interview is a __________
4) Fundamental laws are got by __________
5) The two types of hypothesis are __________
6) Lotka's law is concerned with __________
7) The term, 'Internal criticism' and 'external criticism' are related to __________
8) Data collection techniques/tools are __________
9) Central value of distribution is denoted by __________
10) The research design gives __________

2. Describe meaning and objectives of the research. Discuss in detail the process of research. 20

OR

Describe in brief various research methods used in library and information science research. 20

3. Enumerate the different types of data collection tools. Explain the merits and de-merits of any one of them. 20

OR

Describe in brief the lay-out of research report covering all relevant aspects of it. 20

4. Write short notes on any four of the following:
a) Pilot study
b) Stratified sample
c) Hypotheses testing
d) Ethical aspect of research
e) Variables
f) Types of research.