

**PARUL UNIVERSITY**  
**FACULTY OF LIBRARY AND INFORMATION SCIENCE**  
**M.Lib.I.Sc. Winter 2019 - 20 Examination**

Semester: 1 &amp; 3

Date: 25/11/2019

Subject Code: 13201151

Time: 10:30 am to 01:00 pm

Subject Name: Research Methodology and Statistical Techniques (Theory) Total Marks: 60

**Instructions:**

1. Attempt all questions.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

**Q.1 Give the appropriate answer from the following. (One mark each) (10)**

(Objective type questions - MCQs)

1. Action research means
  - a. A research initiated to solve an immediate problem
  - b. A longitudinal research
  - c. An applied research
  - d. A research with socioeconomic objective
2. Which of the following variables cannot be expressed in quantitative terms?
  - a. Socio-economic Status
  - b. Numerical Aptitude
  - c. Marital Status
  - d. Professional Attitude
3. A research paper is a brief report of research work based on
  - a. Primary Data only
  - b. Secondary Data only
  - c. Both Primary and Secondary Data
  - d. None of the above
4. Mean, Median and Mode are :
  - a. Measures of deviation
  - b. Ways of sampling
  - c. Measures of control tendency
  - d. None of the above
5. Questionnaire is a
  - a. Tool for data collection
  - b. Research method
  - c. Measurement technique
  - d. Data analysis technique
6. "Controlled Group" is a term used in.....
  - a. Survey research
  - b. Experimental research
  - c. Historical research
  - d. Descriptive research
7. Which of the following is not a "Graphic representation"?
  - a. Pie Chart
  - b. Bar Chart
  - c. Table
  - d. Histogram
8. A question during an interview such as "Why do you feel that way?" is known as a:
  - a. Filter Question
  - b. Response
  - c. Probe
  - d. Pilot
9. Which of the following is not a major method of data collection?
  - a. Correlational Method
  - b. Questionnaires
  - c. Focus Groups
  - d. Secondary Data
10. Research Design of a Study should not include
  - a. Objectives
  - b. Findings
  - c. Hypothesis
  - d. Blue print of Research

**Q.2 Long Questions. (Any Two) (Ten Marks each) (20)**

1. Describe the different types of research, clearly pointing out the difference between an experiment and a survey.
2. Explain the meaning and significance of a Research Design.
3. What is Bibliometrics? Explain the Laws of Bibliometrics.

**Q.3 Write a short note. (Any Three) (Five Marks each) (15)**

1. Spiral of Research
2. Questionnaire
3. Librametry
4. Bibliographic Coupling

**Q.4(A) Give the full form of Terms. (All are compulsory) (One Mark each) (05)**

1. ANOVA
2. APA
3. SD
4. M
5. i.e.

**Q.4(B) Write an Appropriate Answer in brief. (All are compulsory) (Two Marks each) (10)**

1. Webometrics
2. Impact Factor
3. Research Ethics
4. Plagiarism
5. T test