

Day: Thursday
Date: 16/05/2019

S-2019-3389

Time: 11.00 AM TO 02.00 PM
Max. Marks: 60

N.B:

- 1) All questions are **COMPUSLORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SAME** answer books.

SECTION-I

- Q.1** Classify research according to various levels, kinds etc. Compare research methods V/s research methodology. (10)
- OR**
- Q.1** Distinguish between following types of research. (10)
- | | |
|----------------------------------|-----------------------------|
| i) Descriptive Vs Analytical | ii) Applied Vs Fundamental |
| iii) Quantitative Vs Qualitative | iv) Conceptual Vs Empirical |
- Q.2** Explain the criteria for selection of the problem. State the need of defining a problem. What are the precautions to be taken in identifying the problem? (10)
- OR**
- Q.2** List the steps in defining a problem. What are the various ways of defining problem? Explain the characteristics a problem statement should have. (10)
- Q.3** State the meaning and definition of sampling. Describe the functions of population and sampling. Summarize types of sampling design. (10)
- OR**
- Q.3** State the characteristics of a good sample. List the advantages of sampling technique. Discuss the types of errors in sampling. (10)

SECTION-II

- Q.4** What are the important factors for selection and choice of statistical tool for statistical analysis of data? Describe the following methods of statistical data analysis. (10)
- | | |
|-------------------------|---------------------------|
| i) Inferential analysis | ii) Multivariate analysis |
|-------------------------|---------------------------|
- OR**
- Q.4** Describe Interpretation of data with reference to following: (10)
- i) Importance of interpretation
 - ii) Technique of interpretation
 - iii) Precaution for correct interpretation
- Q.5** Describe in detail the important steps involved in report writing. Brief the different sections that should be included in main text of the study. (10)
- OR**
- Q.5** Explain the importance of the following in research paper and thesis writing. (10)
- i) Illustration and tables
 - ii) Bibliography
 - iii) Referencing and foot notes
- Q.6** Write detailed notes on the following. (10)
- i) Technology transfer
 - ii) Copy right
 - iii) Royalty
- OR**
- Q.6** Write detailed notes on the following: (10)
- i) Trade aspects of intellectual property rights
 - ii) Plagiarism tools
 - iii) Reproducibility and accountability