

Day: Monday
Date: 03/12/2018

W-2018-3124

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 **SEPARATE** answer books.

SECTION-I

Q.1 Define the term research. Explain the general characteristics of research. (10)
Describe the objectives of research.

OR

Q.1 Classify research according to various levels, kinds etc. Compare research (10)
methods V/s research methodology.

Q.2 Describe identification of a research problem in detail. What are various steps (10)
followed in identifying a research problem. State the main sources of the
research problems.

OR

Q.2 Explain the criteria for selection of the problem. State the need of defining a (10)
problem. What are the precautions to be taken in identifying the problem?

Q.3 Explain the characteristics of a good research design. List the problems in (10)
research design.

OR

Q.3 State the meaning and definition of sampling. Describe the functions of (10)
population and sampling. Summarize types of sampling design.

SECTION-II

Q.4 Explain in detail the following methods of data collection. (10)
i) Observation method
ii) Interview method
iii) Questionnaire method
State their merits and demerits.

OR

Q.4 What are the important factors for selection and choice of statistical tool for (10)
statistical analysis of data? Describe the following methods of statistical data
analysis.
i) Inferential analysis ii) Multivariate analysis

Q.5 Explain report writing with reference to following. (10)
i) Structure and components of scientific reports
ii) Types of report
iii) Significance of technical report

OR

Q.5 Describe in detail the important steps involved in report writing. Brief the (10)
different sections that should be included in main text of the study.

Q.6 Write details notes on the following. (10)
i) Intellectual property rights and patent law
ii) Techniques of writing a patent
iii) Patent filling procedure

OR

Q.6 Write detailed notes on the following. (10)
i) Technology transfer
ii) Copy right
iii) Royalty