

2022

Time - 3 hours

Full Marks - 80

Answer all groups as per instructions.

Figures in the right hand margin indicate marks.

*Candidates are required to answer
in their own words as far as practicable.*

GROUP – A

1. Answer all questions and fill in the blanks by choosing correct answer from the given options. [1 × 12]
- (a) The origin of the term Research has been derived from the French word _____.
- (i) Recherche (ii) Recreache
(iii) Recharge (iv) None of the above
- (b) Which of the following is a characteristic of Research ?
- (i) Goal directed (ii) Logical
(iii) Cyclical (iv) All of the above
- (c) The first step of research process is _____.
- (i) situation analysis

- (ii) developing research design
 - (iii) formulation of research problem
 - (iv) none of these
- (d) A variable which is not controlled and manipulated by the researcher is called _____.
- (i) independent variable (ii) dependent variable
 - (iii) extraneous variable (iv) confounding variable
- (e) If the calculated value of test statistic is greater than its value at the chosen level of significance, we _____ the null hypothesis.
- (i) accept (ii) reject
 - (iii) both (i) & (ii) (iv) none of these
- (f) For drawing lottery, _____ sampling is used.
- (i) random (ii) purposive
 - (iii) both (i) & (ii) (iv) none of these
- (g) In case of bivariate data, the number of variable is _____.
- (i) one (ii) two
 - (iii) three (iv) four
- (h) The purpose of editing is to check the filled questionnaire for :

[3]

- (i) completeness (ii) accuracy
(iii) consistency (iv) all of the above
- (i) Report preparation and presentation is _____.
- (i) an Art (ii) a Science
(iii) Both (i) & (ii) (iv) Nothing
- (j) _____ is using other people's work without acknowledging their contribution.
- (i) Plagiarism (ii) Deception
(iii) Both (i) & (ii) (iv) None of these
- (k) Which of the following is feature of a good hypothesis ?
- (i) Testable (ii) Verifiable
(iii) Logical (iv) All of the above
- (l) Fundamental Research is also known as _____.
- (i) Basic Research (ii) Quantitative Research
(iii) Systematic Research (iv) Applied Research

GROUP – B

2. Answer any eight of the following questions within two to three sentences each. [2 × 8]

- (a) Mention any two characteristics of research.
- (b) What is an experiment ?

P.T.O.

[4]

- (c) What is coding ?
- (d) What are the basic uses of exploratory research ?
- (e) Define null hypothesis.
- (f) What is Scaling ?
- (g) Define feedback.
- (h) Mention the importance of formulating a research problem.
- (i) What is basic research ?
- (j) What is applied research ?

GROUP – C

3. Answer any eight of the following questions within 75 words each.
[3 × 8

- (a) Mention the criteria of good research.
- (b) Define Research as a career.
- (c) What do you mean by research proposal ?
- (d) What do you mean by literature review ?
- (e) Define IPR.
- (f) Define participatory research.
- (g) Define research ethics.
- (h) What is patent ?

[5]

- (i) Define descriptive research design.
- (j) Define Randomised block design.

GROUP – D

Answer any four questions within 500 words each.

- 4. Define research and describe its objectives. [7]
- 5. Describe the process of research with the help of various steps involved in it. [7]
- 6. Define research problem and describe the steps involved in formulation of a research problem. [7]
- 7. Define research design and describe different types of research designs. [7]
- 8. Define scaling and describe important scaling techniques in research. [7]
- 9. Define plagiarism and describe how plagiarism can be checked. [7]
- 10. Describe the step by step procedure to write a report. [7]
- 11. Write notes on within 250 words each. $3\frac{1}{2} \times 2$
 - (a) Common citation styles
 - (b) Evaluation checklists