

18. (a) What is the sampling and discuss the probabilistic sampling methods?

Or

(b) Explain the types of variables.

19. (a) Discuss non-experimental methods.

Or

(b) What are the sources of research problem?

20. (a) What are the types of hypothesis? Explain.

Or

(b) Explain the statistical operations involved in two randomized group design.

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15. (a) What are the principles of experimental designs?

Or

- (b) Explain two randomized group design.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

16. (a) Explain the steps involved in psychological research.

Or

- (b) What are the ways in which a research problems are manifested?

17. (a) Discuss the methods of controlling an extraneous variables.

Or

- (b) Explain the types of research designs used in Psychological research.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 250 words.

11. (a) What are the aims of Science?

Or

(b) Discuss the types of research problems.

12. (a) Write a note on null-hypothesis.

Or

(b) Discuss about the ways of controlling extraneous.

13. (a) Explain the measures of dependent variable.

Or

(b) Discuss Expost Facto research.

14. (a) What is analysis of variance?

Or

(b) Discuss the basic types of research.

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

Write a short note on the following :

1. Science.
2. Research.
3. Research methodology.
4. Solvable problem.
5. Directional hypothesis.
6. Bases of hypothesis.
7. Type II error.
8. Dependent variable.
9. Extraneous variable.
10. Research design.