

MAY 2015

P/ID 28453/PPYC

Time : Three hours

Maximum : 100 marks

Part A — (10 × 2 = 20 marks)

Answer ALL questions, in about 50 words each.

1. Probability.
2. Stratified Sampling.
3. Correlation.
4. Central Tendency.
5. Hypothesis.
6. Null Hypothesis.
7. Type I error.
8. Small Sample “t” test.
9. ANOVA.
10. Factorial Design.

Part B — (5 × 6 = 30 marks)

Answer ALL questions, in about 250 words each.

11. (a) What is one-way ANOVA? Explain.

Or

(b) Describe the different methods to establish validity.

12. (a) Explain the object of measurement in psychology.

Or

(b) Elaborate the nature of correlation.

13. (a) Make a note on matched group design with suitable examples.

Or

(b) What are the disadvantages in classification of data?

14. (a) Describe the limitations of Null-hypothesis testing.

Or

(b) Discuss the merits and demerits of graphical representation of data.

15. (a) Elaborate the correlation techniques.

Or

(b) Explain the assumption of using t test.

Part C — (5 × 10 = 50 marks)

Answer ALL questions, in about 500 words each.

16. (a) What is item analysis? Narrate the step wise procedures and statistical techniques used.

Or

- (b) Narrate the concepts of validity and types of validity.

17. (a) Bring out the characteristics of ex-post facto research design.

Or

- (b) Give a detailed account on probability theory.

18. (a) Examine the reasons for using 2×2 factorial design.

Or

- (b) Elucidate the assumption for using matched group design.

19. (a) Bring out the methods and logic of testing hypothesis.

Or

- (b) Examine the properties of normal probability curve.

20. (a) Narrate the assumption for using ANOVA.

Or

(b) Make a detailed note on descriptive statistics and its application.
