

MAY 2011

P/ID 28453/PPYC

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

Each answer should not exceed 50 words.

1. Measurement.
2. Questionnaire.
3. Item difficulty.
4. Reliability.
5. Research design.
6. Parameter.
7. Type II error.
8. ANOVA.
9. Inferential statistics.
10. Concept of objectivity.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

Each answer should not exceed 250 words.

11. (a) What are the properties of numbers?

Or

- (b) Explain the levels of measurement.

12. (a) Explain Inter-rater reliability.

Or

- (b) What is factorial design? Explain.

13. (a) Explain the measures of variability.

Or

- (b) Explain probability theory.

14. (a) What is one-way ANOVA?

Or

- (b) What is two-way ANOVA?

15. (a) Explain the formal research designs.

Or

- (b) Explain informal research designs.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

Each answer should not exceed 500 words.

16. (a) Discuss the types of tests.

Or

- (b) Discuss the steps in test construction.

17. (a) Explain the methods of establishing reliability.

Or

- (b) Discuss the types of validity.

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

Or

- (b) Discuss Latin square design.

19. (a) Explain the descriptive statistics.

Or

- (b) Explain the statistical operations involved in two-way ANOVA.

20. (a) What are the properties of normal distribution curve?

Or

- (b) Explain the procedures adopted in hypothesis testing.
