

OCTOBER 2012

P/ID 28453/PPYC

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions in about 50 words each.

All questions carry equal marks.

1. Measurement
2. Objectivity
3. Item Selection
4. Test construction
5. Likert's scale
6. Reliability
7. Validity
8. Post-test-design
9. Experimental Group
10. Frequency distribution

PART B — (5 × 6 = 30 marks)

Answer ALL questions in about 250 words each.

All questions carry equal marks.

11. (a) Give a brief account on data tabulation process.

Or

- (b) Elaborate the concept of validity and its purpose in research.

12. (a) Elucidate the significance of central tendency.

Or

- (b) Write a short note on latin square design.

13. (a) Describe the procedures adopted in hypothesis testing.

Or

- (b) Emphasise the uses of ANOVA in testing the significance.

14. (a) Make a note on block randomization design.

Or

- (b) What are Type I error and Type II errors?

15. (a) Explain the importance of the normal distribution.

Or

- (b) Elaborate the correlation techniques.

PART C — (5 × 10 = 50 marks)

Answer ALL questions in about 500 words each.

All questions carry equal marks.

16. (a) Narrate the characteristics of experimental group design.

Or

- (b) Examine the challenges to establishing the internal validity.

17. (a) Give detailed account on randomized group design.

Or

- (b) Explain psychological measurement.

18. (a) Discuss the principles of research design.

Or

- (b) Discuss the significance of research designs in psychological research.

19. (a) Explain the criteria of good hypothesis.

Or

(b) Narrate the importance of descriptive statistics and their limitations.

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

Or

(b) Explain the statistical operations in  $2 \times 2$  factorial design.

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