

D 71660

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Name

Reg. No.



THIRD SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A (Objective Type)

Answer all questions.

Each question carries 1 mark.

Choose the correct answer from the following options given below :

1. A variable which is manipulated in a research is called as _____.
(Independent variable, Dependent variable, Extraneous variable, Mediator variable).
2. Age in years is an example of _____ level of measurement.
(Nominal, Ordinal, Equal interval, Ratio).
3. Which is the most appropriate inferential statistics to treat variables measured in ordinal level ?
(t-test, Spearman correlation, ANOVA, Chi-square test).
4. Which reliability method is known as temporal consistency reliability ?
(Test-retest reliability, Parallel form reliability, Alternate form reliability, Scorer reliability).
5. If an academic motivation scale is related to academic performance, the scale has _____ validity.
(Face validity, Predictive validity, Discriminant validity, Structural validity).

Fill in the Blanks :

6. An individual capacity to respond to difference in sensitivity is called as _____.
7. Calculate z score of 30 if mean is 50 and standard deviation is 10 _____.
8. Ability of an item to discriminate between people with high ability and low ability is called as _____.
9. Which research design is appropriate to understand cause and effect relationship between variables ?

Turn over

10. Which among below is NOT an inferential statistics ?

t test, F test, Kruskal-wallis analysis, Frequency analysis.

(10 × 1 = 10 marks)

Section B

Answer in two or three sentences.

Answer all questions.

Each question carries 2 marks.

11. What is item difficulty ?
12. What is statistic ?
13. What is sten score ?
14. What is non-participant observation ?
15. What is sampling ?
16. What is the difference between basic and applied research ?
17. What is a power test ?
18. What is an extraneous variable ?
19. What is JND ?
20. What is the concept of arbitrary zero point in the context of levels of measurement ?

(10 × 2 = 20 marks)

Section C

Answer in a paragraph of about half a page to one page.

Answer any six questions.

Each question carries 5 marks.

21. Explain Weber's Law.
22. What are the characteristics of an experiment ?
23. Write a note on psychophysical scaling methods.
24. What are the postulates of law of comparative judgment ?
25. What are the different types of item discrimination ?
26. What are the conditions to satisfy for a probability sampling method ?
27. Compare functions of questionnaire and interview as data collection methods ?
28. What are the difference between descriptive and inferential statistics ?

(6 × 5 = 30 marks)

**Section D (Essay Type Question)**

Answer any two of the following.

Each question carries 10 marks.

29. What are the steps in test construction ?
30. Explain different levels of measurement with its application in research.
31. What is the structure of a research report ?
32. Write a note on the types of validity ?

(2 × 10 = 20 marks)