C 4014   (Pages : 2)   Name..................................

Reg. No...............................

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2016

(CUCBCSS–UG)

Complementary Course

PSY 4C 02 – PSYCHOLOGICAL STATISTICS-IV

Time : Three Hours   Maximum : 80 Marks

Part A (Objective Type Questions)
Answer all questions.
Each question carries 1 mark.

A. Multiple choices. Choose the correct answer :

1. Wilcoxen test is using for assessing :

    (a) Association.   (b) Difference.

    (c) Normality.   (d) Validity.

2. Which of the following is a non parametric test ?

    (a) *t*-test.   (b) paired samples *t*-test.

    (c) Kruskal-Wallis.   (d) ANOVA.

3. ANOVA is using for measuring :

    (a) Difference.   (b) Inference.

    (c) Relativity.   (d) Sample space.

4. Which of the following is associate with test construction ?

    (a) Regression.   (b) Run test.

    (c) Duncan test.   (d) Reliability.

5. Which of the following is a method of estimating Goodness of fit ?

    (a) Scatter diagram.   (b) Spearman rank order.

    (c) Chi-square.   (d) Regression.

B. Fill in the blanks :

6. Kruskal Wallis test is used for testing _____.

7. Chi-square is a _____ test.

8. _____ is not a non-parametric test.

9. Validity means _____.

10. Fisher's exact test is using for _____.

(10 × 1 = 10 marks)

Turn over

Part B

Write short notes on **all** *the questions.*
Each question carries 2 marks.

11. What is ANOVA?
12. What is Critical difference?
13. Define parametric tests.
14. What is goodness of fit?
15. What is Validity?
16. What is a Run test?
17. Write out the equation for Wilcoxen signe rank test.
18. What is test of independence?
19. What is a non-parametric test?
20. What is Homogeneity?

(10 × 2 = 20 marks)

Part C

Answer any **six** *questions in* **a paragraph** *each.*
Each question carries 5 marks.

21. What are the uses of parametric tests?
22. What are the merits and demerits of non parametric tests?
23. State the merits and demerits of ANOVA.
24. Write a brief notes on Critical difference.
25. Distinguish between Parametric test and nonparametric test
26. Discuss the uses of Logistic regression.
27. What is one-way ANOVA?
28. Explain Chi-square.

(6 × 5 = 30 marks)

Part D

Answer any **two** *questions in* **an essay** *each.*
Each question carries 10 marks.

29. What is Analysis of Variance? Explain ANOVA with suitable examples.
30. Explain the different parametric tests and their uses.
31. Discuss the steps involved in the construction of a questionnaire.
32. What is Chi-square? Explain the uses of Chi-square.

(2 × 10 = 20 marks)