

**C 5177**

(Pages : 3)

Name.....

Reg. No.....

**FOURTH SEMESTER B.Sc. DEGREE (SUPPLEMENTARY/IMPROVEMENT)  
EXAMINATION, MAY 2016**

(UG—CCSS)

Complementary Course

PS 4C 02—PSYCHOLOGICAL STATISTICS

Time : Three Hours

Maximum : 30 Weightage

I. Objective type questions :

(A) Choose the correct answer :

1 \_\_\_\_\_ is a parametric test.

- (a) Man-Whitney U test. (b) Friedmann test.  
(c) ANCOVA. (d) Wilcoxon.

2 \_\_\_\_\_ is not a must for non-parametric test.

- (a) Normal distribution. (b) Continuous distribution.  
(c) Correlation. (d) Categorical variables.

3 ANOVA is used for testing \_\_\_\_\_.

- (a) Difference. (b) Correlation.  
(c) Association. (d) Kind.

4 SPSS package is usually used for \_\_\_\_\_.

- (a) Data analysis. (b) Data advancement.  
(c) Data reduction. (d) Testing meaning.

(B) Fill in the blanks :

5 The Wilcoxon signed rank test is designed for use with \_\_\_\_\_ measures.

- (a) Subjective. (b) Objective.  
(c) Repeated. (d) Alternative.

6 The chi-square test for independence is used to determine if two \_\_\_\_\_ variables are related.

- (a) Continuous. (b) Categorical.  
(c) Alternative. (d) Detailed.

Turn over

7 Regression is used for testing \_\_\_\_\_.

- (a) Predictability. (b) Difference.  
(c) Illustration. (d) Capacity.

8 Independent sample *t*-test is a \_\_\_\_\_ test

- (a) Non-parametric. (b) Additional.  
(c) Parametric. (d) Reference.

(C) Answer in a single word/sentence :

9 What is a parametric test ?

10 What is *t*-test ?

11 Non-parametric test is also known as :

12 What are the two different types of chi-square tests ?

(12 × ¼ = 3 weightage)

II. Short answer type questions. Answer *all* questions. Each question carries 1 weightage.

13 Explain the basic assumptions of chi-square test.

14 Give a brief description about regression.

15 What is a contingency table ?

16 What is data management ?

17 What is SAS ?

18 Data interpretation.

19 Wilcoxon matched pairs test.

20 Applications of chi-square in psychology.

21 What is ANCOVA ?

(9 × 1 = 9 weightage)

III. Short essay type questions. Answer any *five* questions. Each question carries 2 weightage.

22 Explain the steps of ANOVA.

23 Explain the importance of parametric and non-parametric tests.

24 Differentiate between ANOVA and ANCOVA.

25 What are the steps in computer data analysis ?

- 26 Explain the steps in the construction of a frequency table.
- 27 Explain the merits and demerits of median tests.
- 28 What is contingency coefficient.

(5 × 2 = 10 weightage)

IV. Essay type questions. Answer any *two* questions. Each question carries 4 weightage.

- 29 What is a parametric test? Explain the different parametric tests.
- 30 What is median test? Give a detailed description about the major median tests.
- 31 What is statistical package? Narrate the different statistical packages used for data analysis and data management.

(2 × 4 = 8 weightage)