

BACHELOR OF ARTS (PSYCHOLOGY)

Term-End Examination

December, 2014

01683

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

- Note :**
- (i) Answer *any five* questions.
 - (ii) *All* questions carry *equal* marks.
 - (iii) Answer the questions in around **500** words.

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1. What do you understand by the term "frequency distribution" ? Using 10 as class interval, arrange the following data into a frequency distribution.
12, 50, 13, 64, 70, 25, 26, 35, 40, 45, 62, 65, 75, 80,
85, 82, 83, 73, 72, 60, 63, 55, 51, 10, 11, 19, 93, 96,
98, 100. **3+7=10**
 2. Define and elucidate the concept of Dispersion **10**
with suitable examples.
 3. What are the different measures of Variability ? **10**
Explain each with suitable example.
 4. Describe linear and non-linear relationship in **10**
correlation.

5. Calculate Pearson 'r' for the following data. The performance scores on 2 Trial tests for a group was as given below. Find the "r" value. 10

X Trial	Y Trial
5	10
15	20
20	35
30	45
50	40

6. What are the various issues involved in the interpretation of correlations ? Also discuss briefly various methods of interpreting the correlation. 10
7. Describe in detail the various components of Parameter Estimation. 10
8. Differentiate between Parametric and Non-parametric Statistics. 10
9. State the use of Chi-square test. Calculate the Chi-square value for the following data : 2+8=10

Gender	Attitude Scores Toward Teaching		
Male	120	240	360
Female	200	160	360
	320	400	720

10. Write short notes on **any two** of the following : 10
- (a) Characteristics of good measures of central tendency
 - (b) Hypothesis Testing
 - (c) Rank Order Data
 - (d) Method of Equivalent Groups
 - (e) Skewness