

**BACHELOR'S DEGREE PROGRAMME (BDP)  
(B.A. PSYCHOLOGY)**

00501

**Term-End Examination**

**December, 2015**

**BPC-004 : STATISTICS IN PSYCHOLOGY**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : All sections are compulsory. Use of simple calculator is permitted.*

**SECTION A**

*Answer any **two** of the following questions in about 500 words each :*

*2×10=20*

1. Define descriptive statistics. Discuss the methods of organising the data. 3+7
2. Discuss the concept of dispersion. Elucidate the different types of measures of dispersion. 3+7

3. Define coefficient of correlation. Calculate Pearson's product moment coefficient of correlation for the following data : 3+7

	<u>Sr. no.</u>				
X	35	20	25	15	30
Y	30	40	70	60	50

4. Find out the t-value for the following data : 10

X	5	6	12	11	8	8	7	6	8	7
Y	4	6	5	6	8	7	7	8	9	10

**SECTION B**

*Answer any **four** of the following questions in about 300 words each :* **4×6=24**

5. Explain the processes involved in hypotheses testing. **6**
6. Compute mean, median and mode for the following data : **2+2+2**  
64, 68, 67, 61, 72, 72, 62, 71, 83, 72, 75, 77, 67, 72, 81, 78, 65, 86, 67, 82, 76, 76, 69, 70.
7. What is a scatter diagram ? Discuss the steps involved in making a scatter diagram. **2+4**
8. Tabulate the following scores into a frequency distribution using class interval of 10 : **6**  
59, 46, 71, 65, 69, 43, 52, 73, 56, 44, 63, 59, 66, 42, 70, 86, 32, 78, 27, 65, 86, 83, 63, 52, 70, 78, 49, 57, 70, 39, 55, 42, 77, 81, 72, 79, 69, 34, 61, 62.
9. Differentiate between parametric and non-parametric statistics. **6**

**SECTION C**

*Write short notes on any **two** of the following in about 100 words each :*

**2×3=6**

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|---|----------|
| <b>10. Graphical Presentation of Data</b> | <b>3</b> |
| <b>11. Variance</b>                       | <b>3</b> |
| <b>12. Skewness</b>                       | <b>3</b> |