No. of Printed Pages : 4

BPC-004

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*

	Sr. no.				
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*

10. Graphical Presentation of Data *3*

11. Variance *3*

12. Skewness *3*