

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

Term-End Examination

December, 2018

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

Note : (i) All sections are compulsory.

(ii) Use of Simple Calculator can be permitted.

SECTION - A

Answer any two of the following questions in
about 450 words each : 2x10=20

1. Explain the meaning of statistics and describe its scope and use. 5+5
2. Discuss the concept of dispersion and describe the types of measures of variability/dispersion. 4+6
3. What is correlation ? Compute Pearson's product moment correlation for the following data : 3+7

Individuals

	A	B	C	D	E
Scores on Test - I	5	10	25	10	15
Scores on Test - II	6	4	6	4	10

4. Compute chi-square for the following data : 10

	Early adolescence	Late adolescence
Boys	25	30
Girls	30	20

Critical value = 3.841 at 0.05 level of significance

6.635 at 0.01 level of significance.

SECTION - B

Answer any four of the following questions in
about 250 words each :

4x6=24

5. What is tabulation of data ? Discuss the 2+4
components of a statistical table.
6. Compute mean, median and mode for the 6
following data :
30, 40, 50, 10, 12, 19, 20, 20, 26, 24,
25, 30, 22, 32, 64, 67, 68, 69, 70, 71
7. Compute standard deviation for the following 6
data :
10, 15, 12, 13, 14, 15, 16, 21, 7, 8
8. Discuss the advantages and disadvantages of 6
non-parametric statistics.
9. Define probability. Describe the characteristics 2+4
and application of normal curve.

SECTION - C

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

2x3=6

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|-----|------------------------|---|
| 10. | Level of significance. | 3 |
| 11. | Average deviation. | 3 |
| 12. | Outliers. | 3 |
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