

01442 BACHELOR'S DEGREE PROGRAMME (BDP)
(B.A. PSYCHOLOGY)

Term-End Examination

June, 2016

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

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- Note : (i) All sections are compulsory.
(ii) Use of Simple Calculator is permitted.
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SECTION - A

Answer any two of the following questions in
about 450 words each : 2×10=20

1. Explain the concept of Descriptive Statistics. 3+7
Discuss the four major statistical techniques for
organising the data.
2. Discuss the significance of measures of dispersion. 4+6
Describe properties and limitations of Quartile
deviation and average deviation.
3. Compute Pearson's Product Moment Coefficient 10
of Correlation for the following data :

Data 1 : 7 10 5 4 4

Data 2 : 10 15 10 7 8

4. A research was carried out to find if significant difference exists in Emotional Intelligence of two groups of adolescents. The scores obtained are given below : 10
with the help of t test find if significant difference exists between the two groups :

Group I: 4, 5, 9, 10, 2, 4, 6, 7, 8, 5

Group II: 10, 15, 20, 18, 5, 6, 6, 7, 8, 5

Critical Values : 2.10 at 0.05 level of significance

2.88 at 0.01 level of significance

SECTION - B

Answer **any four** of the following questions in about **250** words each : 4x6=24

5. Discuss the characteristics and application of Normal Curve. 3+3
6. Describe various scales of measurement. 6
7. Calculate Mean, Median and Mode for the following set of scores : 6
34, 43, 45, 54, 45, 43, 45, 23, 43, 45, 45, 56, 76, 78, 76, 56, 56, 54, 56, 55
8. Compute standard deviation for the following data : 3+3
(a) 57, 70, 62, 68, 65, 56, 52, 50
(b) 35, 34, 38, 44, 46, 42, 39, 35, 36, 31
9. Discuss the properties of Chi-square. Describe Chi-square as a test of goodness of fit. 3+3

SECTION - C

Write short notes on **any two** of the following in
about **100** words each : **2x3=6**

10. Level of significance. 3

 11. Non linear relationship. 3

 12. Types of Probability. 3
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