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BPC-004

BDP-BA (PSYCHOLOGY)

Term-End Examination

December, 2019

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 Hours

Maximum Marks : 50

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

Section—A

Note : Answer any two of the following questions in about 450 words each.

$2 \times 10 = 20$

1. Elucidate the types, scope and use of Statistics.

10

[2]

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2. Define measures of dispersion. Discuss the types of dispersion. 3+7

3. Compute Spearman's rho for the following data : 10

Data A : 27, 17, 25, 12, 10, 30, 13, 32, 19, 42

Data B : 26, 15, 20, 8, 10, 35, 13, 40, 19, 41

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

	Male	Female
Late adolescence	14	12
Early adolescence	16	13

Section—B

Note : Answer any four of the following questions in about 250 words each. $4 \times 6 = 24$

5. Discuss the types of frequency distribution. Compute frequency distribution for

[3]

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the following data with class interval
of 5 : 3+3

1	1	2	4	5	7	9	11	15
2	2	18	17	3	4	5	11	12
2	30	21	27	21	30	1	25	21

6. Compute mean, median and mode for the
following data : 2+2+2

5, 6, 8, 11, 7, 45, 47, 45, 45, 8, 6, 5, 2, 1, 45, 21,
30, 29, 42, 25, 26, 31, 45, 51, 45, 24, 25

7. Compute standard deviation for the following
data : 6

2, 5, 8, 10, 12, 15, 18, 20

8. Elucidate point and interval estimation.
Discuss general procedure for hypothesis
testing. 2+4

9. Discuss deviations from normality. 6

Section—C

Note : Write short notes on any two of the following

in about 100 words each.

2×3=6

10. Non-parametric Statistics.

11. Point-Biserial Correlation.

12. The Probability.