No. of Printed Pages : 4   **BPC-004**

BACHELOR'S DEGREE PROGRAMME

(BDP)

(B. A. PSYCHOLOGY)

Term-End Examination

June, 2021

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.

1. Elucidating the types of Statistics discuss the scope, use and limitations of Statistics.   4, 6

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[2]   **BPC-004**

2. Describe the concept, functions and measures of dispersion. Explain the properties and limitations of standard deviation.   6, 4

3. Compute Pearson's product moment coefficient of correlation for the following data :   10

Data X	Data Y
12	10
10	12
7	6
5	3
6	7
3	5
4	6
2	3
3	4
7	9

4. Explain Chi-square as a test of goodness of fit. Compute Chi-square for the following data :   2, 8

	Responces		
	Agree	Disagree	Undecided
Males	10	15	10
Females	15	20	10

Section—B

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

5. Explain histogram and cumulative frequency curve with the help of suitable data and diagram.   3, 3

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

10, 12, 13, 10, 10, 10, 10, 7, 9, 6, 5, 6, 10, 15, 19, 20, 17, 20, 21, 30, 31, 42, 10, 11, 10.

7. Compute standard deviation for the following data :   6

18, 21, 17, 5, 4

8. Describe the scales of measurement with suitable examples.   6

9. Discuss the characteristics and application of normal curve.   3, 3

Section—C

Note : Write short notes on any ***two*** from the following in about **100** words each.

10. Importance of tabulation   3

11. Null hypothesis   3

12. One tailed-two tailed tests   3