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No. of Printed Pages : 4

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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

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

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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

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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

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