BACHELOR'S DEGREE PROGRAMME
(BDP)
(B. A. PSYCHOLOGY)
Term-End Examination
June, 2023

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 (wherever applicable).

1. What is descriptive statistics ? Explain classification of data.　　　　　3+7

2. Describe the concept of dispersion and discuss the significance of measures of dispersion.　7+3

3. Compute Pearson product moment correlation
    for the following data :   10

	Data 1	Data 2
A	19	7
B	16	6
C	20	5
D	21	4
E	13	2
F	14	3
G	17	7
H	16	5
I	10	4

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

	Disagree	Undecided	Agree
Junior managers	5	10	5
Senior managers	10	15	15

Section—B

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

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

    7, 12, 14, 15, 17, 16, 14, 15, 8, 10, 11, 16, 15, 17,
    15, 15, 18, 19, 20, 21, 5, 4, 6, 7, 10

6. What is average deviation ? Compute standard deviation for the following data :   2+4

   19, 10, 1, 11, 12, 16, 4, 12, 2, 3

7. Elucidate the scales of measurement with the help of suitable examples.   6

8. Describe the characteristics and applications of normal curve.   3+3

9. Explain the scope, use and limitations of statistics.   6

Section—C

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

10. Ogive   3

11. Two-tailed and one-tailed tests of significance 3

12. Kendall's tau   3

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