

**BACHELOR'S DEGREE
PROGRAMME (BDP)
Term-End Examination
June, 2026**

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 Hours

Maximum Marks : 50

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

Section—A

Note : *Answer any two of the following questions in about 450 words each (wherever applicable).* $2 \times 10 = 20$

1. Explain the classification and tabulation as techniques for organizing data. 10
2. Explain the measures of dispersion and differentiate between absolute and relative dispersion. 4+6

3. Describe the building blocks of correlation.
 Compute Pearson's product moment correlation for the following data : 3+7

Data 1	Data 2
2	4
6	4
5	3
2	3
3	2
4	2

4. Compute Chi-square for the following data :

10

Gender	Responses	
	Agree	Disagree
Males	5	17
Females	16	8

Section—B

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

5. Compute mean, median and mode for the following data : $2+2+2$
- 5, 10, 11, 13, 16, 18, 10, 10, 11, 5, 10, 5, 14, 5, 4, 5, 7, 5, 5, 12, 5, 22, 20, 5, 5.
6. Explain the scope, use and limitations of statistics. 6
7. Compute range and standard deviation for the following data : 6
- 5, 7, 6, 10, 11
8. Explain null hypothesis, level of significance and degrees of freedom. $2+2+2$
9. Discuss the advantages and disadvantages of non-parametric statistics. 6

Section—C

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

2×3=6

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| 10. Bar diagram | 3 |
| 11. Kendall's tau | 3 |
| 12. Chi-square as goodness of fit test | 3 |

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