

No. of Printed Pages : 4

BPC-004**BACHELOR'S DEGREE PROGRAMME****B. A. PSYCHOLOGY (BDP)****Term-End Examination****December, 2021****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. $2 \times 10 = 20$

1. Define and explain in detail the meaning of Statistics. Discuss its scope and use. $6+4$
2. Describe any *two* major statistical techniques for organising the data. $5+5$

P. T. O.

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

Students	Data I	Data II
A	13	61
B	14	83
C	15	85
D	17	86
E	19	90
F	42	64
G	22	33
H	13	21
I	11	13
J	19	10

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

Responses

	Agree	Disagree
Males	30	40
Females	10	20

Critical value = 3.841 at 0.05 level of significance
6.635 at 0.01 level of significance.

[3]

BPC-004

Section—B

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

5. Elucidate the scales of measurement with the help of suitable examples. 6
6. Explain the different deviations from normality. 6
7. Elucidate hypothesis testing and level of significance. 3+3
8. Compute mean, median and mode for the following data : 2+2+2
19, 17, 18, 19, 19, 19, 21, 30, 14, 18, 13, 14, 10,
11, 12, 13, 17, 19, 19, 20, 21, 32, 35, 41, 20, 19,
19, 13, 14
9. Compute standard deviation for the following data : 6
10, 12, 14, 18, 20, 36, 41, 9, 10, 11

P. T. O.

[4]

BPC-004

Section—C

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

10. Grouped frequency distribution 3
11. Kendall's tau 3
12. Uses of correlation 3

BPC-004