666985

BPC-004

Bachelor's Degree Programme (BDP)

(B. A. Psychology)

Term-End Examination

June, 2019

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 Hours *Maximum Marks : 50*

Note : *All Sections are* **compulsory**. *Use of simple calculator can be permitted.*

Section—A 2×10=20

Note : Answer any *two* of the following questions in about *450* words each.

1. Define 'Statistics. Describe various types of statistics. 4+6

2. Discuss the meaning and functions of measures of central tendency. 4+6

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

	Scores in Test I	Scores in Test II
A	19	20
B	14	17
C	12	37
D	10	24
E	23	11
F	26	13
G	27	26
H	30	32
I	36	29
J	41	43

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

	Early adolescence	Late adolescence
Boys	20	50
Girls	40	10

Critical   value   =   3.841   at   0.05   level   of significance.

=   6.635   at   0.01   level   of significance.

(A-18)

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Section—B   4×6=24

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

5. What is Hypothesis Testing ? Describe the errors in hypothesis testing.   3+3

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

    25, 30, 13, 12, 14, 15, 15, 16, 15, 17, 15, 15, 20, 30, 65, 71, 82, 91, 92, 36.

7. Compute standard deviation for the following data :   6

    7, 5, 3, 5, 10, 12, 13, 11, 19, 10.

8. Describe the assumptions for the application for Chi-square test.   6

9. What is normal distribution ? Describe deviation from normality.   2+4

Section—C   2×3=6

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

10. Interval Estimation.   3

11. Merits and demerits of variance.   3

12. Direction of correlation.   3

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