BPC-004

BACHELOR'S DEGREE PROGRAMME (BDP)
(B.A. PSYCHOLOGY)
Term-End Examination
June, 2018
BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours   *Maximum Marks : 50*

Note :   (i) *All sections are compulsory.*

       (ii) *Use of Simple Calculator is permitted.*

SECTION - A

Answer any two of the following questions in about **450** words each :   **2x10=20**

1. Discuss the meaning of Statistics. Differentiate **3+7** statistics by functions and on the basis of distribution of data.

2. Explain normal distribution and describe its **4+6** properties.

3. Describe the characteristics of a good measure of **4+6** central tendency. Compute mean, median and mode for the following data :
   39, 41, 56, 72, 83, 92, 35, 36, 39

4. Define and describe correlation. Compute **3+7** Spearman's Rho for the following data :

Students

	A	B	C	D	E	F	G	H	I	J
Emotional Intelligence	80	72	54	64	70	62	50	59	60	49
Self concept	82	84	69	76	75	73	62	71	54	49

SECTION - B

Answer **any four** of the following questions in about **250** words each : 4x6=24

5. Discuss graphical presentation of data with examples. 6

6. Tabulate the following scores into frequency distribution using the class interval of 10. 6
1, 12, 14, 18, 22, 24, 25, 31, 36, 37, 41, 45, 48, 59, 1, 2, 4, 6, 12, 66, 56, 46, 73, 81, 27, 36, 40, 41, 53, 88, 64, 71, 82, 90, 76, 42.

7. Compute standard deviation for the following data : 6
12, 13, 16, 18, 40, 39, 72, 91, 12, 13

8. Explain the components of a statistical table and describe the importance of tabulation. 4+2

9. Discuss the concept and functions of dispersion. 2+4

SECTION - C

Write short notes on **any two** of the following in about **100** words each : 2x3=6

10. Point and interval estimation 3

11. Outliers 3

12. Test of goodness of fit 3

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