

No. of Printed Pages : 3

BPC-004

**BACHELOR'S DEGREE PROGRAMME (BDP)
(B.A. PSYCHOLOGY)**

Term-End Examination

June, 2017

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

Note : (i) All sections are compulsory.

(ii) Use of Simple Calculator be permitted.

SECTION - A

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

1. Define and discuss the advantages and disadvantages of Parametric and Non Parametric Statistics. **10**
2. Explain the concept of normal distribution. Discuss deviation from normality. **3+7**
3. Compute Spearman's Rank order Coefficient of correlation with the help of following data : **10**

	A	B	C	D	E	F	G	H
Data 1	36	32	30	31	25	39	40	41
Data 2	23	21	29	24	20	37	40	30
4. Discuss the properties and applications of Chi-square test. **10**

BPC-004

1

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SECTION - B

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

5. Describe scope, use and limitations of statistics. 6

6. Tabulate cumulative frequency distribution for the data given below with class interval of 5 : 6

33, 79, 26, 66, 87, 82, 64, 51,
87, 71, 41, 67, 57, 43, 62, 59,
72, 51, 44, 69, 59, 45, 70, 66,
43, 56, 38, 71, 57, 51, 79, 71

7. Compute mean for the following grouped data : 6

Class interval	Frequency
45 - 49	2
40 - 44	3
35 - 39	4
30 - 34	2
25 - 29	3
20 - 24	3
15 - 19	2
10 - 14	7
5 - 9	8
1 - 4	3

8. Explain standard deviation. Compute standard deviation for the following data : 3+3

35, 30, 38, 34, 35, 36, 39, 42,
46, 44.

9. Describe scales of measurement. 6

SECTION - C

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

2x3=6

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|-----|-------------------------|---|
| 10. | Descriptive statistics. | 3 |
| 11. | Range. | 3 |
| 12. | Hypothesis testing. | 3 |

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