

BACHELOR OF ARTS (PSYCHOLOGY)**Term-End Examination****December, 2012****BPC-004 : STATISTICS IN PSYCHOLOGY***Time : 2 hours**Maximum Marks : 50*

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- Note :** (i) *Answer any five questions.*
(ii) *All questions carry equal marks.*
(iii) *Use of Simple calculator may be permitted.*
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1. What do you understand by graphical presentations ? Discuss its advantages and disadvantages. **10**

2. What do you mean by measures of dispersion ? Explain use of descriptive statistics. **10**

3. Draw a histogram for the following data. **10**

Class Interval	Frequency
0-10	5
10-20	9
20-30	16
30-40	14
40-50	6

4. Discuss properties and limitations of the median and the mode with suitable examples. **10**
5. Calculate mean from the following frequency distribution by using assumed mean. **10**

Class Interval	Frequency
45 - 49	2
40 - 44	3
35 - 39	2
30 - 34	6
25 - 29	8
20 - 24	8
15 - 19	7
10 - 14	5
5 - 9	9
	N = 50

6. Define measurement and discuss various scales of measurement by giving suitable examples. **10**
7. Discuss in detail the applications of Chi-square test. **10**
8. Calculate Spearman's Rho for the following data. **10**
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|----|----|----|----|----|-----|
| 23 | 18 | 24 | 17 | 18 | 100 |
| 20 | 20 | 20 | 20 | 20 | 100 |
9. Discuss in detail Null hypothesis and Level of significance. **10**
10. Define Normal Distribution and discuss its application. **10**