

**BACHELOR OF ARTS (PSYCHOLOGY)****Term-End Examination****June, 2011**

01277

**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.
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1. Discuss the scope and use of inferential and descriptive statistics. **10**

2. Compute mean, median and mode for the following frequency distribution. **10**

Class Interval (Scores)	f
60 - 61	5
58 - 59	6
56 - 57	8
54 - 55	3
52 - 53	4
50 - 51	3
48 - 49	2
46 - 47	7
44 - 45	3
42 - 43	2
40 - 41	4

3. Discuss the concept of dispersion. Highlight the components of dispersion. 10
4. Compute SD for the following data. 10
- | Class Interval | f |
|----------------|---|
| 110 - 114      | 7 |
| 105 - 109      | 6 |
| 100 - 104      | 3 |
| 95 - 99        | 5 |
| 90 - 94        | 4 |
| 85 - 89        | 3 |
| 80 - 84        | 2 |
| 75 - 79        | 1 |
| 70 - 74        | 9 |
5. Discuss in detail quartile and average deviation. Describe their advantages and limitations. 10
6. Compare and contrast parametric and non parametric correlational statistics. 10
7. Define chi-square and explain properties of the chi-square distribution. 10

8. A researcher was interested in understanding the relationship between emotional intelligence and work motivation. The data are given below. Find out the correlation. 10

	Emotional Intelligence	Work Motivation.
(a)	11	5
(b)	13	7
(c)	15	6
(d)	16	9
(e)	17	11
(f)	19	12
(g)	22	6
(h)	24	13
(i)	25	5
(j)	5	6

9. Discuss the concepts in determining the significance of the difference between means. 10
10. Define Normal Distribution. Explain the characteristics of normal distribution. 10

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