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BPC-004

BACHELOR OF ARTS (PSYCHOLOGY)

Term-End Examination

June, 2011

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

- Note :* (i) Answer **any five** questions.
(ii) All questions carry **equal** marks.

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

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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

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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