

BACHELOR OF ARTS (PSYCHOLOGY)

Term-End Examination

June, 2013

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours

Maximum Marks : 50

- Note :**
1. Answer *any five* questions
 2. All questions carry *equal* marks.
 3. Answer *theroetical* questions in around 500 words
 4. Use of simple calculatar may be permitted

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1. Define statistics and describe its scope and use. 3+7=10
 2. Elucidate inferential statistics and discuss two types of inferential procedures. 2+8=10
 3. Tabulate the following scores in to a frequency distribution using a class interval of 5. 10
64, 69, 84, 67, 61, 72, 72, 63, 71,
83, 70, 76, 76, 82, 67, 73, 86,
65, 68, 81, 72, 67, 77, 75, 72
 4. Discuss the concept of dispersion and describe the functions, the types of despersion. 4+6=10

5. Find the mean, median and mode for the following sets of scores: 10

10, 12, 11, 10, 10, 13, 8, 14, 9,

14, 18, 14, 19, 14, 12, 14, 20

6. Discuss correlation and distinguish between linear and non-linear correlation . Give suitable example. 3+7=10

7. Find correlation coefficient using product moment method 10

Individuals A B C D E F G H I J

Variable X 4 6 8 10 12 15 17 18 20 24

Variable Y 1 7 2 5 16 11 20 12 9 13

8. Discuss non parametric statistics and describe the properties of chi-square test. 3+7=10

9. Explain the single group method and the method of equivalent groups with suitable examples. 10

10. The scores obtained by two groups on attitude scale are as follows : 10

Group I : 10, 9, 8, 7, 7, 8, 6, 5, 6, 4

Group II : 9, 8, 6, 7, 8, 8, 11, 12, 6, 5

Findout whether significant difference exists between the mean of both the groups at 0.01 level.

Critical value of t with 18 degree of freedom at 0.01 level of significance is 2.88.
