BPC-004

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*

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   10
distribution using a class interval of 5.

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   **10**

    following sets of scores:

    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   **10**
    method

    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   **10**
    of equivalent groups with suitable examples.

10. The scores obtained by two groups on attitute 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.

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