4. Explain the properties and applications of Normal Probability Curve.

5. Define Correlation. Explain factors effecting Persons' product moment correlation.

Section C

Attempt any **5** questions. Each question carries equal marks (**3 marks**)

1. Explain the location of mean, median and mode for a normal probability curve.

2. Standard deviation.

3. Define skewness. Illustrate with the help of graphical representation.

4. Standard scores.

5. Rank order correlation.

6. Differentiate between inferential and descriptive statistics.

Your Roll No...............

Sr. No. of Question Paper : 634   **G**

Unique Paper Code   : 2112112303

Name of the Paper   : DSC: Basic Statistics in Psychology

Name of the Course   : **B.A (Hons) Applied Psychology**

Semester   : III

Duration : 3 Hours   Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.

2. This paper consists of **three** sections.

3. Attempt a total of **11** questions: **3** questions each from **sections A** and **B**, **5** questions from **section C**. Use of simple calculator is allowed.

P.T.O.

Section A

Attempt any **3** questions. Each question carries equal marks (**15** marks)

1. Calculate Mean, Median and Mode for the following data.

   32, 28, 24, 28, 28, 31, 35, 29, 26

2. Calculate Pearson's product moment correlation coefficient of the following data.

X	Y
5	12
7	14
9	15
11	20
8	17

3. Assuming the Normality of the distribution, a test has a mean score of 125 and an SD of 21. Compute the score that cuts the lower 40% of the cases and the score limits of middle 74%.

4. Seema scored 80 in Psychology, while the class average was 70 with standard deviation of 8. Neha scored 63 in her class, while class average was 55, with standard deviation 5, who scored better with respect to their classes.

5. Compute the regression equation in the raw score form.

   X- 2, 3, 6, 4, 5, 4

   Y- 1, 3, 4, 2, 5, 3

Section B

Attempt any **3** questions. Each question carries equal marks (**10** marks)

1. Explain different levels of measurement with suitable examples.

2. Define measure of variability. Give an account of properties of range and quartile deviation.

3. Describe the properties and applications of various measures of central tendency.

P.T.O.