Faculty of Science

B.Sc. III-Year, CBCS-V Semester Examinations, 2018-19

GENERIC ELECTIVE

PAPER: BASIC STATISTICS-I

Time: 2 Hours]   [Max Marks: 40

Section-A

I. Answer any two of the following questions   (2x5=10 Marks)

1. Explain primary and secondary data collection methods.

2. What is skewness? Explain measures of skewness.

3. Define sample space and mutually exclusive events with an example.

4. State Bayes theorem give one real life example for it.

Section-B

II. Answer the following questions   (2x15=30 Marks)

5. (a) Explain various measures of central tendency; mention its merits and
       demerits.

(OR)

(b) Calculate mean, standard deviation and coefficient of variation from the following
     data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No. of Students	10	15	25	25	10	10	5

6. (a) (i) Define Mathematical, Statistical and Axiomatic definition of probability.
        (ii) Define conditional Probability, State multiplication theorem of probability.

(OR)

(b) If two dice are thrown, Find the probabilities of

(i) Equal number occurrence on the face

(ii) The sum greater than 8

(iii) The sum is less than 7

(iv) The sum is even number

(v) The sum neither 7 nor 11

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