



Q.1. Give short answers of the following: (5x6=30)

- 1) Define Measure of Central tendency also write most appropriate average from these tendencies.
- 2) Differentiate between sampling distribution and normal distribution.
- 3) Differentiate between simple events and combined events with example.
- 4) Define average and write its appropriate types.
- 5) From the data given, find Mean, Median and Mode
Data: 23,33,18,12, 31,34,33,18

Q.2. Solve the following questions: (3x10=30)

- 1) Define the role of statistics in social sciences also write the main types of statistics used for analysis purpose.
- 2) Define regression coefficients and state its any three properties.
- 3) A course in statistics is taught to 10 students by the conventional class room procedure. A second group of 12 students was given the same course by means of programmed materials. At the end of semester, the examination was given to each group. Their grades are given as follows:

Group I	77	66	76	77	73	72	68	74	75	69	62	
Group II	77	83	92	85	82	84	80	78	91	93	80	87

Find a 95% confidence interval for the difference between the average grades of the two groups, assume that the populations to be approximately normal with equal variance.