

Hi-Tech Institute of Engineering & Technology

DEPARTMENT OF MANAGEMENT

Course BBA

(SEM-2nd) EVEN SEMESTER MODEL QUESTION PAPER 2022-23

Subject Code:- BBA 201

Subject Name: Quantitative Techniques for Business

Faculty Name:- Mr. Vinay Kumar Agarwal

Time: 90 Minutes

Total Marks: 75

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION-A

1. Attempt all question in brief.

5x3 = 15

1. In a Game of cards what is the chance that a particular player get all the four kings.
2. Calculate Missing Frequency from the following Median is 25.625

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	4	7	16	10	?

3. What do you mean by Correlation? Explain types of Correlation. What is the Karl Pearson Coefficient of Correlation?
4. Calculate Mode, if arithmetic mean is 15.6 and median is 15.73.
5. Explain Various Mathematical Properties of Standard Deviation.

SECTION-B

2. Attempt any Two of the following:

2x7.5 =15

1. When a binomial distribution does tend to become a Normal and Poisson distribution?
2. Three coins are tossed, simultaneously, what is the probability that there will be exactly two heads.
3. What are the uses of coefficient of variation in statistical Analysis? Discuss.

SECTION-C

3. Attempt any three parts of the following:

3x15 = 45

1. What are the other measures based on standard deviation? What is meant by Time Series?
2. Explain the meaning, classification and importance of Tabulation of statistical data. Discuss the different methods of classification?
3. What do you mean by dispersion? How is it measured? Distinguish clearly between dispersion and skewness?
4. The mean of the following frequency table is 25. Find the missing frequencies.

C.I	0-10	10-20	20-30	30-40	40-50	Total
Frequency	17	F1	32	F2	19	160

5. Define Probability and explain the importance of the concept in statistics?