-:BUSINESS STATISTICS SAMPLE PAPER:

BCOM SEMESTER-III

Section:-A

Q-1)What is statistics?

Q-2) Mention various functions of statistics?

Q-3) If the mean is 202 and the median is 221, compute the value of Mode.

Q-4) Explain the various sources of collecting secondary data?

Q-5) What do you understand by a sample and census survey?

Q-6) Explain different types of index number?

Q-7) What is the Law of Regularity?

Q-8) What do you understand by the term collection of data?

Q-9) What do you understand by measures of dispersion?

Q-10) Briefly explain the term Standard deviation?

Q-11) What is Arithmetic mean?

Q-12) If the mode is 16, the value of the mean is 7. Find the value of median.

Q-13) Define Regression analysis? Mention its features.

Q-14) What is the law of inertia of large numbers?

Q-15) What do you mean by the term Homogeneous?

Q-16) What do you mean by correlation?

Q-17) What do you mean by the line of regression of X on Y?

Q-18) The value of Mode is 76 and the value of mean is 68. Compute the value of median?

Q-19) Describe the tools of measures of dispersion?

Q-20) What is probability sampling?

Section:-B

Q-1) Find the mean from the following data:-

Marks below	10	20	30	40	50	60	70
No. of students	18	35	58	73	80	96	100

Q-2) From the following data calculate median:-

Mid value	10	20	30	40	50	60
Frequency	5	10	25	20	15	5

Q-3) Compute the value of Standard deviation from the following data:-

X	3	4	5	6	7	8	9

| F | 9 | 3 | 11 | 14 | 7 | 12 | 4 |

Q-4) Calculate mode for the following data:-

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	9	7	10	4	5

Q-5) Compute fisher's Index number:-

	2005.		2006	
Items	Price.	Qty.	Price.	Qty.
A	2.	100	3.	110
B	5.	80	10.	80
C	4.	50	7.	45
D	6.	10	6.	20
E	2.	60	4.	60

Q-6) Calculate the cost living index number by using family budget method:-

Items	Price.	Price.	Qty
A	6.	10.	50
B	2.	4.	100

C	4.	6.	60
D	10.	12.	30
E	8.	12.	40

Q-7) Compute the mean, median and mode from the following data:-

X	115	125	135	145	155	165	175	185
F	9	25	48	72	116	60	38	22

Q-8) Calculate Quartile deviation and coefficient of quartile deviation for the following:-

C-I	10-20	20-30	30-40	40-50	50-60	60-70	70-80
F	12	30	10	13	12	25	18

Q-9) Calculate standard deviation and coefficient of variation for the following data:-

C-I	0-200	200-400	400-600	600-800	800-1000
F	2	10	3	42	60

Q-10) Calculate skewness and coefficient of skewness from the following data by using Bowley's method:-

Wages	55-58	58-61	61-64	65-67	67-70
No. of workers	12	17	23	18	10

Q-11) Calculate Mean deviation and coefficient of Mean Deviation from the following data :-

C-I	15-30	30-45	45-60	60-75	75-90	90-105	105-120
F	5	8	10	15	10	8	4

Q-12) Distinguish between primary and secondary data?

Q-13) Briefly explain the limitations of statistics?

Q-14) Define Standard deviation and distinguish between Standard Deviation and Mean Deviation ?

Q-15) Distinguish between individual, discrete and continuous series?

Q-16) Explain Relationship of statistics with other sciences?

Q-17) Distinguish between sample and census survey?

Q-18) Write the various measures of dispersion?

Q-19) What do you understand by statistical survey and explain its importance?

Q-20) Compute the following from the data given in the table below :-
(i) Mean (ii) median (iii) Standard deviation (iv) Variance (v) Coefficient of standard deviation (vi) Coefficient of variation (vii) mean deviation

(viii) Quartile deviation

C-I	0-20	20-40	40-60	60-80	80-100	100-120	120-140
F	3	7	10	20	10	7	3