

Roll No.....

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BBA/D-17
BUSINESS STATISTICS-1
Paper: BBA-203

Time: Three Hours

Maximum Marks: 80

Note: Attempt Five questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. Compulsory Question :

- (a) What is Descriptive Statistics?
- (b) Explain the use of Geometric Mean.
- (c) Describe the objectives of Measuring Dispersion.
- (d) Difference between census and sample method.
- (e) Give the formulae of computing :
 - (i) Fisher's quantity index number
 - (ii) Marshall quantity index number.
- (f) Explain the meaning of business of forecasting.

2. Define Statistics Discuss the importance and limitations of Statistics

3. (a) Explain the rules of constructing Graphs.

- (b) Following are the maximum and minimum rates of gold per 10 grams for the first six months during 2011. Represent them by suitable techniques of graph.

(c)

Rates

	Minimum	Maximum
Jan	9120	9175
Feb.	9150	9200
March	9125	9250
April	9200	9300
May	9320	9480
June	9400	9500

4. (a) Describe the purpose and functions of Statistical Average.

- (b) Following is the distribution of marks in economics obtained by 50 students. Calculate the median marks. If 60% of the students pass this test, find the minimum marks obtained by a pass candidate.

Marks (more than)	No. of Students
0	50
10	46
20	40
30	20
10	
50	03

5. From the following data, compute Bowley's Skewness and its coefficient.

X (Marks)	F (Students)
0-10	5
10-20	8
20-30	12
30-40	13
40-50	07
50-60	5

6. What is sampling method? Explain in details the various methods of sampling.
7. What is an Index Number? What are its uses? Discuss the problems involved in the construction of an index number.
8. Calculate price index number from the data given below us
- Laspeyre's formula
 - Passche's formula
 - Dorbish and Bowley's formula
 - Marshall and Edgeworth's formula
 - Fisher's ideal index formula.

Commodities	2009		2010	
	Price	Quantity	Price	Quantity
A	40	3	60	2
B	50	4	60	4
C	70	2	90	5
D	20	3	10	5