

Total No. of Questions : 11] [Total No. of Printed Pages : 7

**B.B.A. IInd Semester  
Examination April/May, 2017**

**DM-17**

**BUSINESS STATISTICS**

**Paper : B-109**

**Time : 3 Hours]**

**[Maximum Marks : 35**

*Note :- Attempt all questions.*

**Section-A**

**(Objective Type Questions)**

**1×5=5**

www.dhsgsu.com

*Note :- Attempt any five questions.*

1. Choose the correct answer.

(i) "Statistics is the science of counting." Whose definition is this :

(a) Bowley

**SD-17**

**( 1 )**

**Turn Over**

- (b) Achenwall
- (c) Tippet
- (d) Yole and Kendall

(ii) What is prepare by government with the help of data ?

- (a) Budget
- (b) Province
- (c) Money
- (d) Officer

(iii) If the median of 3, 4,  $x$ , 8 is 5, the value of  $x$  will be :

- (a) 3
- (b) 4
- (c) 5
- (d) 6

(iv) If the arithmetic mean of a distribution is 5 and if each frequency is multiplied by 3 than arithmetic mean will be :

- (a) 5

**SD-17**

**( 2 )**

www.dhsgsu.com

- (b) 15  
(c) 50  
(d)  $3/5$
- (v) Geometric Mean of 4, 8, 16, 32, 64 is :  
(a) 8  
(b) 16  
(c) 32  
(d) 64
- (vi) Which is not following considered in Karl Pearson's coefficient of skewness ?  
(a) Mean  
(b) Mode  
(c) Median  
(d) Mean Deviation
- (vii) Generally " $r$ " is significant :  
(a) when  $r$  is twice PE  
(b) when  $r$  is three times PE  
(c) when  $r$  is 6 times PE  
(d) When  $r$  is 4 times PE

(viii) If  $N = 9$  and variance = 169, then standard deviation will be :

- (a)  $13/2$   
(b) 13  
(c)  $169/9$   
(d)  $13/3$

### Section-B

(Short Answer Type Questions)  $3 \times 3 = 9$

*Note :-* Attempt any *three* questions.

2. Explain the importance of planning in statistical investigation.

3. Explain the scope of Statistics.

4. Calculate mean from the following data :

Marks	No. of Students
10	8
20	10
30	20
40	15
50	7

5. Find out median from the following data :

Wages in Rs : 100, 150, 80, 90, 160, 200, 140

6. Define mean deviation. Write its merits and demerits.

### Section-C

#### (Long Answer Type Questions)

**Note :-** Attempt any *three* questions.

7×3=21

7. Explain the functions and reasons for the distrust on Statistics.

8. Explain the method of collecting primary and secondary data.

9. Find interquartile range and quartile deviation from the following data :

Height in Inches	Frequency
58	15
59	20
60	32
61	35

SD-17

( 5 )

Turn Over

62 33

63 22

64 20

65 10

66 8

10. Calculate Karl Pearson's co-efficient of skewness from the following data :

Marks above	No. of Students
0	150
10	140
20	100
30	80
40	80
50	70
60	130
70	14
80	0

SD-17

( 6 )

2

11. Write short notes on any *two* of the following :

- (a) Spearman's Ranks Correlation
- (b) Coefficient of concurrent deviation
- (c) Mean Deviation
- (d) Skewness