

Model Question paper for online examination F.Y.Bom.

Sub: - Mathematical and Statistical Techniques

1. The mean of 10 items was 50. The value of largest item was 65. It was later found that it is actually 60. Therefore the correct mean is -----.

- a. 50.3 b. 55.6 c. 65 d. 49.5

2. If $y=3x^2 +2x+6$ then

$dy/dx =$

- A) $6x+2$
B) $3x-8$
C) $2x+5$
D) None of these

3. Cost of living index number is always

- A. Weighted index
B. Price index
C. Quantity index
D. None of these

4. The sum of all probabilities is equal to:

- a. 4 b. 1 c. 3 d. 2

5. A cumulative frequency curve is called as _____

- A. Frequency Polygon B. Ogive
C. Histogram D. None of these

6. If there are two variables, there can be at the most

- (a) one Regression line. (b) two Regression lines.
(c) three Regression lines. (d) infinite Regression lines.

8. If the coefficient of Correlation between two variables X and Y is negative then the Regression Coefficient of Y on X

- (a) is positive.
(b) is negative.
(c) is zero.
(d) does not satisfy either option (a) or option (b) or option (c).

9. The simple interest on Rs. 10,000 at 10% p.a. for 2 yrs. Is

- A) Rs. 2,000
B) Rs. 1,000
C) Rs. 5,000
D) none of these

10. The NAV of a fund at the time of purchase was Rs. 117 and its NAV after 15 months was Rs. 135. The annualized change in the NAV is_____.

- a) Rs. 18 b) 15.38% c) 12.31% d) 19.22%

