MBA SEM 1 (QTM)

SHORT AND LONG QUESTIONS

Explain scatter diagram with suitable graphs.

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2. Define Time Series. What are the components of Time Series - explain with examples.

What are the differences between Consumer Price Index and Wholesale Price Index.

4. Define Index Number. Explain Time and Factor Reversal Test.

5. Write down the properties coefficient of correlation?

6. What is Arithmetic Mean. Write down its properties with examples.

7. Write down the properties of determinants with example.

Define Sampling. What are the types of sampling - explain with examples.

9. What is Lorenz curve? Explain the construction of Lorenz curve.

10. Find Rank Correlation.

X

4

5

7

8

6

3

5

Y

11

9

13

7

13

8

8

11. Given, Mode = 24, N=100, find and

Class interval

0-10

10-20

20-30

30-40

40-50

Frequency

14

27

15

12. Calculate Karl’s Pearson and Bowley’s coefficient of skewness.

Class interval

0-20

20-40

40-60

60-80

80-100

Frequency

10

16

30

24

14

13. Prediction for earnings of year 2008.

Year

2000

2001

2002

2003

2004

2005

2006

2007

Earnings

38

40

65

72

69

60

87

95

14. Construct index number of prices in the year 2014 from the following data by using :

a) Laspeyre’s method b) Paasche’s method c) Fisher’s method

Show that which method satisfies time reversal and factor reversal test.

Commodity

2004 (Base Year)

2014 (Current Year)

Price

Quantity

Price

Quantity

A

2

20

5

15

B

4

4

8

5

C

1

10

2

12

D

5

5

10

6

15. .Find mean, median and mode for the following data:-

Class Interval

0-10

10-20

20-30

30-40

40-50

50-60

60-70

70-80

Frequency

15

20

25

24

6

27

81

52

16. Given the following data, find out Q.D and coefficient of Q.D?

Wages($)

0-5

5-10

10-15

15-20

20-25

25-30

No. of workers

4

6

3

8

12

7

17. Find a suitable coefficient of correlation for the following data:-

Fertilizer

15

18

20

24

30

35

40

50

Productivity

85

93

95

105

120

130

150

160

18. Calculate regression equations from the following data:-

X

1

2

3

4

5

6

7

8

9

Y

9

8

10

12

11

13

14

16

15

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