

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Business Statistics

Course Code - BBAC204(BL)_BBA204(BL)

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Answer all the questions. Each question carry one mark.

9. 1. Find the median of the following data: 160, 180, 200, 280, 300, 320, 400

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140

180

280

300

10. 2. In a week the prices of a bag of rice were 350, 280, 340, 290, 320, 310, and 300. The range is

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- 70
- 90
- 100
- 60

11. 3. One use of a regression line is

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- To determine if any x-values are outliers
- to determine if any y-values are outliers
- to determine if a change in x causes a change in y
- to estimate the change in y for a one-unit change in x

12. 4. Which of the following is a relative measure of dispersion?

Mark only one oval.

- Standard deviation
- Variance
- Co-efficient of variation
- None of these

13. 5. Regression analysis is a measure of

Mark only one oval.

- Degree and direction of relationship
- Degree of association
- Cause and effect relationship
- None of these

14. 6. Correlation between rainfall and population is

Mark only one oval.

- Negative
- Positive
- Zero
- None of these

15. 7. Formula of coefficient of range is

Mark only one oval.

- $L+L/H+H$
- $H+H/L+L$
- $H-L/H+L$
- $H+L/H-L$

16. 8. If total sum of square is 20 and sample variance is 5 then total number of observations are

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- 15
 25
 4
 35

17. 9. If set of observations is 11, 13, 15, 12, 16, 18, 19, 14, 20, 17 and absolute mean deviation is 12 then percentage of coefficient of mean absolute deviation is

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- 47.41%
 57.41%
 67.41%
 77.41%

18. 10. Mean of squared deviations which is calculated from arithmetic mean is called

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- mean square average
 standard square average
 population average
 sample square average

19. 11. Service time (in minutes) at airport ticket counter is as 4.5, 5.5, 6, 7, 8, 8.5, 4, 3, 3.5, 2.5, 3.8 then median of data is

Mark only one oval.

- 3.8
- 4.5
- 4
- 4.75

20. 12. If quartile range is 24 then quartile deviation is

Mark only one oval.

- 12
- 48
- 72
- 50

21. 13. Census reports used as a source of data is

Mark only one oval.

- Primary Source
- Secondary Source
- Organized data
- None of these

22. 14. Which of the following describe the middle part of a group of numbers?

Mark only one oval.

- The Measure of Variability
- The Measure of Central Tendency
- The Measure of Association
- The Measure of Shape

23. 15. The number of accidents in a city during 2010 is

Mark only one oval.

- Discrete variable
- Continuous Variable
- Qualitative Variable
- None of these

24. 16. Which of the following divides a group of data into four subgroups?

Mark only one oval.

- Percentiles
- Deciles
- Quartiles
- Standard Deviations

25. 17. Mean Deviation, Variance and Standard Deviation of the values 4, 4, 4, 4, 4, 4 is

Mark only one oval.

- 2
- 4
- 0
- 8

26. 18. If two variables oppose each other, the correlation will be

Mark only one oval.

- Positive Correlation
- Zero Correlation
- Perfect Correlation
- Negative Correlation

27. 19. If there is a very strong correlation between two variables then the correlation coefficient must be

Mark only one oval.

- any value larger than 1
- much smaller than 0, if the correlation is negative
- much larger than 0, regardless of whether the correlation is negative or positive
- None of these alternatives is correct

28. 20. Consumer Price Index (CPI) falls in the category of

Mark only one oval.

- A simple index
- An aggregate index
- A Inflationary index
- None of these

29. 21. In case there is no relation between two variables, value of coefficient of correlation will be

Mark only one oval.

- 2
- +1
- 0
- +2

30. 22. Type of central tendency measures which divides data set into four equal parts is

Mark only one oval.

- deciles
- quartiles
- multiple pile of data
- percentiles

31. 23. For individual observations, reciprocal of arithmetic mean is called

Mark only one oval.

- harmonic mean
- geometric mean
- paired mean
- arithmetic mean

32. 24. The variable "Gender" can be regarded as being, in general

Mark only one oval.

- qualitative and ratio level
- quantitative
- qualitative and nominal level
- qualitative and ordinal level

33. 25. If value of mode is 14 and value of arithmetic mean is 5 then value of median is

Mark only one oval.

- 18
- 8
- 14
- 10

34. 26. Sum of all squared deviations is divided by total number of observations to calculate

Mark only one oval.

- population variance
- absolute variance
- sample variance
- absolute deviation

35. 27. When data is arranged, middle value in set of observations is classified as

Mark only one oval.

- median
- mean
- variance
- standard deviation

36. 28. Measure of central tendency which represents over time multiplicative effects for inflation and compound interest is considered as

Mark only one oval.

- deviation square mean
- paired mean
- geometric mean
- harmonic mean

37. 29. Method used to compute average or central value of collected data is considered as

Mark only one oval.

- measures of positive variation
- measures of central tendency
- measures of negative Skewness
- measures of negative variation

38. 30. Mean or average used to measure central tendency is called

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- sample mean
- arithmetic mean
- negative mean
- population mean

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