

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

Course Name - Business Statistics

Course Code - BBALLB201

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- Dip.ME
- MCA
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- M.SC.(MB)

Answer all the questions. Each question carry one mark.

9. 1. Largest value is 60 and smallest value is 40 and number of classes desired is 5 then class interval is

Mark only one oval.

- 20
- 4
- 25
- 15

10. 2. Questionnaire survey method is used to collect

Mark only one oval.

- Secondary data
- Qualitative variable
- Primary data
- None of these

11. 3. The weights of students in a college/school is a

Mark only one oval.

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

12. 4. Which of these represent qualitative data?

Mark only one oval.

- Height of a student
- Liking or disliking of (500) persons of a product
- The income of a government servant in a city
- Yield from a wheat plot

13. 5. When data are collected in a statistical study for only a portion or subset of all elements of interest we are using

Mark only one oval.

- A sample
- A parameter
- A population
- Both (A parameter) and (A population)

14. 6. Graph of time series data is called

Mark only one oval.

- Polygon
- Histogram
- Ogive
- Historigram

15. 7. Total Relative Frequency is always

Mark only one oval.

- One
- Half
- Two
- None of these

16. 8. Total angles (in degree) in Pie chart are

Mark only one oval.

- 90
- 180
- 270
- 360

17. 9. Cumulative Frequency Curve is also called

Mark only one oval.

- Polygon
- Cumulative frequency polygon
- Ogive
- Histogram

18. 10. A frequency polygon is a close figure of

Mark only one oval.

- Two sided
- Three sided
- Many sided
- None of these

19. 11. In a straight line equation $Y = a + bX$; a is the

Mark only one oval.

- X-intercept
- Slope
- Y-intercept
- None of these

20. 12. The long term trend of a time series graph appears to be

Mark only one oval.

- Straight-line
- Upward
- Downward
- Parabolic curve or third degree curve

21. 13. The most commonly used mathematical method for measuring the trend is

Mark only one oval.

- Moving average method
- Semi average method
- Method of least squares
- None of these

22. 14. An index number computed for a single commodity is called

Mark only one oval.

- Composite Index
- Simple Index
- Index
- None of these

23. 15. The most suitable average for index numbers is

Mark only one oval.

- Arithmetic Mean
- Geometric Mean
- Median
- Harmonic Mean

24. 16. In chain base method, the base period is

Mark only one oval.

- Fixed
- Not fixed
- Constant
- Zero

25. 17. Three unbiased coins are tossed. What is the probability of getting at most two heads?

Mark only one oval.

- $3/4$
- $3/8$
- $7/4$
- $7/8$

26. 18. From a pack of 52 cards, 1 card is drawn at random. Find the probability of a face card drawn.

Mark only one oval.

- 4/13
- 1/13
- 1/52
- 1/26

27. 19. Three unbiased coins are tossed, what is the probability of getting at least 2 tails?

Mark only one oval.

- 1/3
- 1/6
- 1/2
- 1/4

28. 20. Probability lies between

Mark only one oval.

- 1 and +1
- 0 and 1
- 0 and n
- 0 and ∞

29. 21. Coefficient of Correlation values lies between

Mark only one oval.

- 0 and 1
- 1 and +1
- 1 and 0
- None of these

30. 22. If two variables oppose each other then the correlation will be

Mark only one oval.

- Positive Correlation
- Negative correlation
- Perfect correlation
- None of these

31. 23. If X and Y are independent to each other then correlation coefficient of X and Y is

Mark only one oval.

- 1
- 0
- 0.5
- 1

32. 24. The best fitting trend is one for which the sum of squares of error is

Mark only one oval.

- Zero
- Minimum (Least)
- Maximum
- None of these

33. 25. A process by which we estimate the value of dependent variable on the basis of one or more independent variables is called

Mark only one oval.

- Correlation
- Regression
- Slope
- Residual

34. 26. If one regression coefficient is greater than one, then other will be

Mark only one oval.

- More than one
- Equal to one
- Less than one
- Equal to minus one

35. 27. A time series consists of

Mark only one oval.

- Short-term variations
- Long-term variations
- Irregular variations
- All of these

36. 28. In time series seasonal variations can occur within a period of

Mark only one oval.

- Four years
- Three years
- One year
- Nine years

37. 29. Most frequency used mathematical model of a time series is

Mark only one oval.

- Additive model
- Mixed model
- Multiplicative model
- Regression model

38. 30. If the standard deviation of the values 2, 4, 6, 8 is 2.58, then the standard deviation of the values 4, 6, 8, 10 is

Mark only one oval.

- 0
- 2.58
- 5
- 4.66

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