

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

Course Name - Business Statistics

Course Code - BBAC204(BL)

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Answer all the questions. Each question carry one mark.

9. 1. Variables whose measurement is done in terms such as weight, height and length are classified as

Mark only one oval.

continuous variables

measuring variables

flowchart variables

discrete variables

10. 2. At a manufacturing plant, unit of quantity manufactured in 8 days are 250, 320, 240, 210, 260, 330, 310, 260

Mark only one oval.

- 210
- 260
- 240
- 250

11. 3. Median, mode, deciles and percentiles are all considered as measures of

Mark only one oval.

- mathematical averages
- population averages
- sample averages
- averages of position

12. 4. In two units of company, employees in unit one are 650 and monthly salary is \$2750, employees in unit two are 700 and monthly salary is \$2500 then combined arithmetic mean is

Mark only one oval.

- \$2,620
- \$2,520
- \$2,420
- \$2,320

13. 5. What is the probability of getting exactly two "tails" in four tosses of a fair coin?

Mark only one oval.

- 3/8
- 5/8
- 1/2
- 1/8

14. 6. According to combination rule, if total number of outcomes are 'r' and distinct outcome collection is 'n' then combinations are calculated as

Mark only one oval.

- $n! / r!(n - r)!$
- $n! / r!(n + r)!$
- $r! / n!(n - r)!$
- $r! / n!(n + r)!$

15. 7. Outcomes of an experiment are classified as

Mark only one oval.

- logged events
- exponential results
- results
- events

16. 8. For a random experiment, all possible outcomes are called

Mark only one oval.

- numerical space
- event space
- sample space
- Both event space and sample space

17. 9. Types of probabilities for independent events must includes is

Mark only one oval.

- joint events
- marginal events
- conditional events
- all of these

18. 10. Probability without any conditions of occurrence of an event is considered as

Mark only one oval.

- conditional probability
- marginal probability
- non conditional probability
- occurrence probability

19. 11. In a Venn diagram used to represent probabilities, sample space of events is represented by

Mark only one oval.

- square
- triangle
- circle
- rectangle

20. 12. Consider an event B, non-occurrence of event B is represented by

Mark only one oval.

- union of A
- complement of A
- intersection of A
- A is equal to zero

21. 13. When the prices of rice are to be compared, we compute

Mark only one oval.

- Volume Index
- Value Index
- Price Index
- Aggregative Index

22. 14. If you flipped 2 coins, what is the probability that both will land on tails?

Mark only one oval.

- 2/4
- $\frac{3}{4}$
- $\frac{1}{4}$
- 0/4

23. 15. The height of a student is 60 inches. This is an example of -----

Mark only one oval.

- Qualitative Data
- Discrete Data
- Continuous Data
- Categorical Data

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

Mark only one oval.

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

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