Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - Business Statistics Course Code - BALLB201

* You can submit the form ONLY ONCE.

- * Fill the following information for further process.
- * Required

1. Email *

2. Name of the Student *

- 3. Enter Full Student Code *
- 4. Enter Roll No *
- 5. Enter Registration No *
- 6. Enter Course Code *

7. Enter Course Name *

8. *

Mark only one oval.

- Diploma in Pharmacy
- Bachelor of Pharmacy
- B.TECH.(CSE)
- B.TECH.(ECE)
- BCA
- B.SC.(CS)
- B.SC.(BT)
- B.SC.(ANCS)
- B.SC.(HN)
- B.Sc.(MM)
- B.A.(MW)
- BBA
- B.A.(JMC)
- BBA(HM)
- BBA(LLB)
- B.OPTOMETRY
- B.SC.(MB)
- B.SC.(MLT)
- B.SC.(MRIT)
- B.SC.(PA)
- LLB
- B.SC.(MSJ)
- Bachelor of Physiotherapy
- B.SC.(AM)
- Dip.CSE
- Dip.ECE

DIP.EE

DIP.ME

- .. . - -

- PGDHM
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- M.A.(JMC)
- M.A.(ENG)
- M.SC.(MATH)
- M.SC.(MB)
- MCA
- M.SC.(MSJ)
- M.SC.(AM)
- M.SC.CS)
- M.SC.(ANCS)
- M.SC.(MM)
- B.A.(Eng)

Answer all the questions. Each question carry one mark.

9. 1. Subset of selected population is called

- descriptive portion
- elementary portion
- inferential portion
- _____ sample

10. 2. Population census is conducted through

Mark only one oval.

Sample survey

- Accounting
- Investigation
- Complete enumeration

11. 3. The grouped data is also called

Mark only one oval.

- 🔵 Raw Data
- Primary Data
- Secondary data
- 🔵 Qualitative data

12. 4. A constant variable can take values

Mark only one oval.

🔵 Zero

Fixed

not-fixed

____ nothing

13. 5. The first hand and unorganized form of data is called

Mark only one oval.

- Secondary data
 Primary Data
 Organized Data
- None of these
- 14. 6. You asked five of your classmates about their height. On the basis of this information, you stated that the average height of all students in your university or college is 67 inches. This is an example of:

Mark only one oval.

Descriptive statistic	s
Inferential Statistics	•
Parameter	
Population	

15. 7. The graph of cumulative frequency is called

Mark only one oval.

Polygon

Cumulative frequency polygon

Ogive

🔵 Histogram

16. 8. The graph of the normal distribution depends on

Mark only one oval.

Mean and Standard Deviation

Harmonic Mean and Standard Deviation

📃 Harmonic Mean

- Standard Deviation Only
- 17. 9. The graph of frequency distribution is called

Mark only one oval.

() Polygon

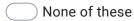
Cumulative frequency polygon

Ogive

🔵 Histogram

18. 10. While constructing Frequency Distribution, the number of classes used depends upon

Mark only one oval.



Number of Observation

Size of Class

Range of Data

19. 11. The average value of the lower and upper limit of a class is called

Mark only one oval.

Class Frequency

- Class Boundary
- Class Interval
- Mid-Point
- 20. 12. A frequency curve touches x-axis

Mark only one oval.

\square	YES
\square	NEVER
\square) Sometimes

- cannot say
- 21. 13. Component bar charts are used when data is divided into

Mark only one oval.

Circles
Groups
Parts
None of these

22. 14. A circle in which sectors represents various quantities is called

Mark only one oval.

Polygon

- Cumulative frequency polygon
- 🔵 Ogive
- Histogram
- 23. 15. In descriptive statistics, we study

Mark only one oval.

- The description of decision making process
- The methods for organizing, displaying, and describing data
- How to describe the probability distribution
- None of these
- 24. 16. The mean of 7, x-2, 10, x+3 is 9. The value of x



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

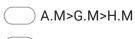
Mark only one oval.

26. 18. Which of the following Measure of Averages is not based on all the values given in the data set?

Mark only one oval.

- Arithmetic Mean
- Geometric Mean
- ____ Median
- Mode
- 27. 19. Relation between A.M, G.M and H.M

Mark only one oval.



A.M=G.M=H.M

A.M

None of these

28. 20. Which of the following is not a measure of central tendency?

Mark only one oval.

29. 21. If a distribution is abnormally tall and peaked, then is can be said that the distribution is:

Mark only one oval.

- _____ Leptokurtic
- Pyrokurtic
- Platykurtic
- Mesokurtic
- 30. 22. The first moment about means is always:

\bigcirc	Zero
\bigcirc	1
\bigcirc	Negative
\bigcirc	None of these

31. 23. If the third moment about mean is zero then the distribution is:

Mark only one oval.

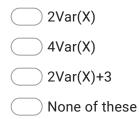
Mesokurtic
Positively Skewed
Symmetrical
Negatively Skewed

32. 24. For Mesokurtic curve of the distribution, is

Mark only one oval.



33. 25. Var(2X+3)=?



34. 26. If the fourth order central moment is zero then the distribution is:

Mark only one oval.

Leptokurtic

- Pyrokurtic
- Platykurtic
- Mesokurtic
- 35. 27. The variance of a constant is

Mark only one oval.

\square) Constant
\square) Zero
\square	Negative
\square	None of these

36. 28. Which one is true for Standard Deviation(S.D) and Mean Deviation (M.D.)

Mark only one oval.



Both S.D>M.D. and S.D=M.D

None of these

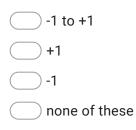
37. 29. In Correlation both variables are always

Mark only one oval.



38. 30. The Coefficient of Correlation between X and X is

Mark only one oval.



39. 31. The Coefficient of Correlation r is independent of

Mark only one oval.

Origin only

- Scale of Measurement only
- Both change of origin and scale of measurement

None of these

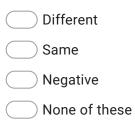
40. 32. If r=0.6, byx=1.2, then bxy=?

Mark only one oval.

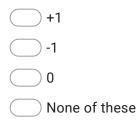


41. 33. Two regression lines are parallel to each other if their slope is

Mark only one oval.



42. 34. The correlation coefficient between U=X and V=-X is



43. 35. 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

44. 36. The method of least squares dictates that we choose a regression line where the sum of the square of deviations of the points from the lie is

Mark only one oval.

\square	Maximum
\square	Minimum
\square	Zero
\square	Positive

45. 37. In simple linear regression, the numbers of unknown constants are

Mark only one oval.

One

- 🔵 Two
- Three
- **Four**

46. 38. An orderly set of data arranged in accordance with their time of occurrence is called

Mark only one oval.

Arithmetic series

- Harmonic series
- Geometric series
- Time series
- 47. 39. Secular trend can be measured by

Mark only one oval.

Two methods
 Three methods
 Four methods
 Five methods

48. 40. The secular trend is measured by the method of semi-averages when

- Time series based on yearly values
- Trend is linear
- Time series consists of even number of values
- None of these

49. 41. Increase in the number of patients in the hospital due to heat stroke is

Mark only one oval.

Secular trend

- Irregular variation
- Seasonal variation
- Cyclical variation
- 50. 42. The systematic components of time series which follow regular pattern of variations are called

Mark only one oval.

- 🔵 Signal
- Noise
- Additive model
- Multiplicative model
- 51. 43. Wheat crops badly damaged on account of rains is



- Random movement
- Secular trend
- Seasonal movement

52. 44. In semi averages method, we decide the data into

Mark only one oval.

🔵 Two parts

- Two equal parts
- Three parts
- Difficult to tell

53. 45. 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
- 54. 46. The index number that can be used for multi-purpose is:

- General Index Number
- None of these
- Cost of Living Index Number
- Special Index Number

55. 47. In the fix base method, the base period should be

Mark only one oval.

\bigcirc	Median
\bigcirc	Mean
\bigcirc	Large
\bigcirc	Normal

56. 48. The commodities subject to considerable prices variations can be best measured by

Mark only one oval.

- Average Index
- Quantity Index
- Price Index
- 🔵 Value Index
- 57. 49. Chaining process used to make a comparison of the index number is



- Fisher Ideal Index
- None of these
- Fixed Base Method

58. 50. Index numbers are free from a unit of measurement because the index number shows

Mark only one oval.

- Average Changes
- Relative Changes
- Variations
- None of these
- 59. 51. Indices calculated by the chain base method are free from

Mark only one oval.

\square	Seasonal variations
\subset	Errors
\subset	Percentages
\square	Ratios

60. 52. Laspeyre's index = 110, Paasche's index = 108, then Fisher's Ideal index is equal to

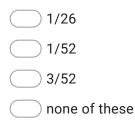
- 110
- 108
- 100
- 109

61. 53. Bag contain 10 back and 20 white balls, One ball is drawn at random. What is the probability that ball is white

Mark only one oval.



62. 54. A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is



- 63. 55. In a throw of dice what is the probability of getting number greater than 5 Mark only one oval.
 - _____1/6
 - _____1/3
 - 0 (
 - ____1

64. 56. Probability lies between

Mark only one oval.

_____ -1 and +1

- ____ 0 and 1
- O and n
- ____ 0 and ∞
- 65. 57. A random experiment contains

Mark only one oval.

- At least one outcome
- At least two outcomes
- At most one outcome
- At most two outcomes
- 66. 58. Questionnaire survey method is used to collect

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

67. 59. Total Relative Frequency is always

Mark only one oval.



68. 60. In a histogram the area of each rectangle is proportional to

Mark only one oval.

- _____ the class mark of the corresponding class interval
- the class size of the corresponding class interval
- frequency of the corresponding class interval
- cumulative frequency of the corresponding class interval

This content is neither created nor endorsed by Google.

