

Seat No.:

MARCH - 2022 (Summer session) Examination

Subject Code: 73510

(विद्यार्थ्यांनी हा विषय कोड OMR वर लिहावा / Student should fill this code on OMR sheet)

Subject Name: Bachelor of Comm. (CBCS)_73510_49810/63110/73510/77839 - Business Statistics
Paper-I_05.08.2022_1.00 PM

Date: 05-08-2022

Time: 13:00:00 to 14:00:00

QP Code: 9371QP

(B.com - II, Sem - III)

Total Marks : 50 Each Question 2 Marks, Total 25 Ques, Duration 1 Hr

1. The data which is originally collected by an investigator is called as.....
 - a. Primary data
 - b. Secondary data
 - c. both (A) and (B)
 - d. none of these
2. If we collect blood group of a person's then it is...
 - a. quantitative data
 - b. qualitative data
 - c. both (A) and (B)
 - d. none of these
3. Which of the following is not a method of sampling?
 - a. Simple random sampling with replacement
 - b. Simple random sampling without replacement
 - c. Simple alternative sampling
 - d. Stratified random sampling
4. Method of collection of data from every member of population is called as
 - a. Sampling
 - b. Census
 - c. Analysis
 - d. Presentation
5. Which of the following is a discrete variable?
 - a. Length
 - b. Width
 - c. Age
 - d. No. of members in a family
6. Which of the following is advantage of sampling method over census method?
 - a. more time
 - b. less cost
 - c. less reliable
 - d. none of these
7.divides the data into two equal parts
 - a. Median
 - b. Mode
 - c. Mean
 - d. none of these
8. If Q1, Q2 and Q3 are first, second and third quartiles then which of the following is true?
 - a. $Q1 < Q2 < Q3$
 - b. $Q1 > Q2 > Q3$
 - c. $Q1 < Q3 < Q2$
 - d. $Q3 < Q1 < Q2$
9. A value which occurs maximum number of times in a data is called as...



- a. Median
c. Mode
- b. Arithmetic mean
d. none of these

10. Mean of the data : 24, 23, 21, 19, 17, 16 is

- a. 16
c. 18
- b. 20
d. 22

11. If Mean = Median = 10 then by empirical relation value of mode is...

- a. 20
c. 15
- b. 5
d. 10

12. Mean of first group having 100 observations is 24 and mean of second group having 100 observations is 26 then combined mean is

- a. 24
c. 25
- b. 26
d. 100

13. Data consist with smallest observation 10 occurs 20 times and largest observation 70 occurs 5 times then range of this data is...

- a. 80
c. 5
- b. 15
d. 60

14. Variance is..... of S. D.

- a. Square
c. log
- b. Square root
d. none of these

15. If $n = 20$ and sum of square of deviations of observations taken from mean is 80 then S.D. is.....

- a. 4
c. 16
- b. 2
d. 50

16. Formula for Quartile Deviation is

- a. $(Q_1 + Q_2)/2$
c. $(Q_3 - Q_1)/2$
- b. $(Q_1 + Q_3)/2$
d. $(Q_3 - Q_1)/4$

17. If S.D. = 2 and mean = 20 the C.V. is.....

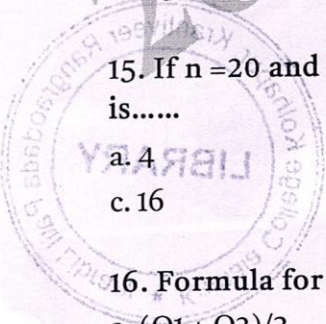
- a. 2
c. 500
- b. 20
d. 10

18. Which of the following is absolute measure?

- a. Coefficient of Q. D.
c. Coefficient of S. D.
- b. Coefficient of M. D.
d. Range

19. In an examination, Mean marks of Akash and Raj has 80 and 90 respectively and S.D. of their marks is 10 and 20 respectively. Who is consistent in scoring marks?

- a. Raj
b. Akash



c. Both are consistent

d. cannot determine

20. Advertisement and Sale have....

a. Positive correlation

b. Negative correlation

c. Perfect Correlation

d. No correlation

21. The limit of the Karl Pearson's correlation coefficient (r) is...

a. 0 to 1

b. -1 to 1

c. -1 to 0

d. any value

22. If difference between ranks of each pair of observations is zero then rank correlation coefficient is

a. 1

b. 0

c. 0.5

d. -1

23. If two regression coefficients $b_{yx} = 4$ and $b_{xy} = (1/16)$ then correlation coefficient (r) is...

a. $-(1/2)$

b. $1/16$

c. $1/2$

d. $1/4$

24. Equation of regression line of Y on X is $Y = 2 + 0.5 X$ and if we know value of $X = 4$ then estimate value of Y is...

a. 4

b. 2

c. 1

d. cannot find

25. The concept of rank correlation was given by:

a. Galton

b. Kendall

c. Spearman

d. Mood

