

# Vivekanand College ,Kolhapur (Autonomous) Internal Examination 2022-23 BCom-II Semester III Subject : Business Statistics Paper I

Date: 3/12/2022 Day : Saturday

Time :

12.15 pm to 1.15 pm Instructions: Each question carry one mark:

statvck@gmail.com Switch account



\* Indicates required question

Email \*

Your email

Roll Number \*

Your answer

Name of Student \*

Your answer

Mobile Number \*

Your answer



Division \*

- A
- B
- C

\*

1. The class intervals of the grouped data:

15-19	20-24	25-29	30-34	35-39	40-44
-------	-------	-------	-------	-------	-------

Are the type....

- a. inclusive class
- b. discrete class
- c. exclusive class
- d. none of these

- C
- B
- D
- A



\*

2. Histogram, Less than ogive curve and more than ogive curve is the example of ...

- a. Graphical representation
- b. Diagrammatic representation
- c. both a and b
- d. none of these

- A
- B
- C
- D



\*

3. Match the pair

1. Sample

2. SRSWOR

i. Blood Testing

ii. Handful grains

iii. Average life of forest

a. 1-i,2-ii

b. 1-ii,2-i

c. 1-ii,2-iii

d. 1-iii,2-ii

A

B

C

D





\*

## 4. Match the pair

1. Midpoint

i. upper limit - lower limit

2. Width

ii.  $(\text{Lower limit} + \text{upper limit})/2$ 

3. complete enumeration

iii. census Method

a. 1-i, 2-iii, 3-iii

b. 1-ii, 2-i, 3-iii

c. 1-iii, 2-i, 3-ii

d. 1-iii, 2-ii, 3-i

 A B C D

\*

## 5. Match the pair

1. Ungrouped data

i. Marks(class) and number of student(f)

2. Frequency distribution

ii. Percentage of student (x)

3. Continuous distribution

iii. number of child(x) and number of family(f)

a. 1-i, 2-iii, 3-iii

b. 1-ii, 2-i, 3-iii

c. 1-ii, 2-iii, 3-i

d. 1-iii, 2-ii, 3-i

 A B C D

\*

6. 1. Match the pair

1. LCF    i. Sum of frequency

2. MCF    ii. Increasing order

3. N    iii. Decreasing order

iv. None of these

a. 1-ii, 2-iii, 3-i

b. 1-iv, 2-i, 3-ii

c. 1-iv, 2-ii, 3-i

d. 1-ii, 2-i, 3-iii,

A

B

C

D



\*

7. Match the pair

1. LCF

i. Mode

2. Histogram

ii. Median

iii. Mean

a. 1-i, 2-ii

b. 1-ii, 2-i

c. 1-ii, 2-iii

d. 1-iii, 2-ii

A

B

C

D

\*

8. With the help of ogive curve, one cannot determine

a. Deciles

b. Median,

c. Mean

d. None of these

A

B

C

D



\*

9. Match the pair

1. Inclusive type class

i. 10-20, 20-30, 30-40

2. Exclusive type class

ii. 09-10, 11-19, 20-29

iii. None of these

a. 1-i, 2-ii

b. 1-ii, 2-i

c. 1-ii, 2-iii

d. 1-iii, 2-ii

 A B C D

\*

10. The combined mean of the following data:

Group I	$\bar{x}_1 = 210$	$n_1 = 10$
Group II	$\bar{x}_2 = 150$	$n_2 = 20$

a. 170

b. 160

c. 210

d. 150

 A B C D



\*

11. Given mean = 25 and median = 50, then mode can be ...

- a. 90
- b. 100
- c. 80
- d. 60

- A
- B
- C
- D

\*

12. For attribute data which of following central tendency is suitable.

- a. Median, mode
- b. Mode, Mean
- c. Mean, Median
- d. All of the above

- A
- B
- C
- D



\*

13. If 15,12,14,15,17,18,15,19,20,22,24,12 then mode is ...

a. 12

b. 15

c. 11

d. 17

A

B

C

D

\*

14. If  $\text{Mean} = \text{Median}/2$  and  $\text{median} = 25$  then  $\text{mode} = ?$

a) 25

b) 50

c) 75

d) None of these

A

B

C

D



\*

15. If

Class	0-10	10-20	20-30	30-40	40-50
Frequency	2	3	7	3	2

The mode is \_\_\_\_\_

- a) 10  
 b) 20  
 c) 25  
 d) None of these

- A  
 B  
 C  
 D

\*

16. If

Class	0-10	10-20	20-30	30-40	40-50
Frequency	2	3	7	3	2

The median is \_\_\_\_\_

- a) 10  
 b) 25  
 c) 20  
 d) None of these

- A  
 B  
 C  
 D



\*

17. If  $n=10, \sum X=100$ , then  $\sum (x-10)=?$

- a) 10
- b) 0
- c) 100
- d) None of these

- A
- B
- C
- D

\*

18. If  $n=10$ , find A.M.  $\frac{\sum(x+10)}{5} = 20$

- a. 20
- b. 15
- c. 0
- d. 12

- A
- B
- C
- D







\*

21. Match the pair

1. Mean

i.  $l + \frac{f_m - f_0}{2f_m - f_0 - f_1} * h$

2. Median

ii.  $\frac{\sum mf}{N}$

3. Mode

iii.  $l + \frac{\frac{N-c}{2} * f}{f} * h$

a. 1-i, 2-iii, 3-iii

b. 1-ii, 2-iii, 3-i

c. 1-iii, 2-i, 3-ii

d. 1-iii, 2-ii, 3-i

 A B C D

\*

22. If combine mean is 25 and  $n_1 = 10$   $n_2 = 15$   $\bar{x}_1 = 30$   $\bar{x}_2 = ?$ 

a. 21.66667

b. 20.66667

c. 19.6666

d. None of these.

 A B C D

\*

23. If 15, 12, 14, 15, 17, 18, 15, 20, 22, 24, 12 then mode and Median is ...

a. Mode = 12, Median = 12

b. Mode = 15, Median = 15

c. Mode = 11, Median = 11

d. Mode = 17, Median = 17

A

B

C

D

\*

24. If

Class	0-10	10-20	20-30	30-40	40-50
Frequency	2	3	7	3	2

The  $Q_1$  is \_\_\_\_\_

a) 17.5

b) 27.5

c) 26.5

d) None of these

A

B

C

D





\*

25. If

Class	0-10	10-20	20-30	30-40	40-50
Frequency	2	3	7	3	2

The  $Q_3$  is \_\_\_\_\_

- a) 36.5
- b) 37
- c) 37.5
- d) None of these

- A
- B
- C
- D

\*

26. If 26,30,35,5,6,7,9,20,40,45,11,18,15,49,60 then  $Q_1$  is .....

- a. 9
- b. 11
- c. 20
- d. 40

- A
- B
- C
- D





\*

27. If 26, 30, 35, 5, 6, 7, 9, 20, 40, 45, 11, 18, 15, 49, 60 then  $Q_3$  is .....

a. 9

b. 11

c. 20

d. 40

A

B

C

D

\*

28. Which one of the following is false?

a.  $Q_2 = \text{Median}$

b.  $Q_2 = 50^{\text{th}}$  percentile

c.  $Q_2 = 25^{\text{th}}$  percentile

d.  $Q_2 = 5^{\text{th}}$  decile

A

B

C

D



\*

29. Which one of the following is false ?

a.  $P_{25} = Q_1$

b.  $P_{50} = D_5 = Q_2 = \text{Median}$

c.  $D_9 = P_{90}$

d.  $D_1 = P_{20}$

A

B

C

D



30. \*

The following data gives:

Mid-values	25	35	45
Frequencies	5	12	7

The first class for the above frequency distribution is:

- A) 10-40      B) 17.5-32.5      C) 15-35      D) 20-30

- A
- B
- C
- D

Submit

Clear form

Never submit passwords through Google Forms.

This content is neither created nor endorsed by Google. [Report Abuse](#) - [Terms of Service](#) - [Privacy Policy](#)

Google Forms

