

Vivekanand College ,Kolhapur  
(Autonomous) Internal Examination 2023-  
24 Bcom-II Semester  
III Subject :  
Business Statistics Paper I

Date: 7/11/2023 Day : Tuesday  
12.00 pm Instructions: Each question carry one mark.

Time : 11.00 am to

Email \*

lateyvaishnavi@gmail.com

Roll Number \*

6245

Name of Student \*

Vaishnavi Amod Latey

Mobile Number \*

9403454063

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

A

B

C

D

\*

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. (Lower limit + upper limit)/2

3. complete enumerationiii. 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. <u>Marks(class)</u> and number of student(f)       |
| 2. Frequency distribution  | ii. Percentage of student (x)                         |
| 3. Continuous distribution | iii number of child(x) and number of <u>family(f)</u> |

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

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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

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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

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A

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C

D



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

- a. Deciles
- b. Median,
- c. Mean
- d. None of these

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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

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A

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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.

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

\*

13. If

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

Then the value of mode is \_\_\_\_\_

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

- A
- B
- C
- D

\*

14. The median class to the following data is \_\_\_\_\_

Wage	10-20	20-30	30-40	40-50	50-60
frequency	18	23	30	15	4

- a) 10-20
- b) 20-30
- c) 30-40
- d) 40-50

- A
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\*

15. Which of the following is true?

a. Median= second Quartile

b. Median= Mean

c. Mode=Mean

d. Median=Mode

A

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D

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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
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\*

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  $Q_1=25$  and  $Q. D=12.5$  then  $Q_3=?$

- a) 25
- b) 125
- c) 75
- d) 50

- A
- B
- C
- D

\*

19.

Class	Blow-10	10-20	20-30	30-40	Above 40
Frequency	2	5	7	7	4

Which of the flowing is not calculated?

- a. Median
- b. Mode
- c. Mean
- d. Quartile

- A
- B
- C
- D

\*

## 20. Match the pair

1. Mean

i.  $l + \frac{f_m - f_1}{2f_m - f_1 - f_2} * h$

2. Median

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

3. Mode

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

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

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(Autonomous) Internal Examination 2023-  
24 Bcom-II Semester  
III Subject :  
Business Statistics Paper I

Date: 7/11/2023 Day : Tuesday  
12.00 pm Instructions: Each question carry one mark.

Time : 11.00 am to

Email \*

saniyakumbhar2004@gmail.com

Roll Number \*

6233

Name of Student \*

Saniya Subhash kumbhar

Mobile Number \*

9579243858

Division \*

A

B

C

\*

1. The class intervals of the grouped data:

15-19	20-24	25-29	30-34	35-39	40-44
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Are the type....

a. inclusive class

b. discrete class

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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
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- 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. (Lower limit + upper limit)/2

3. complete enumerationiii. 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. <u>Marks(class)</u> and number of student(f)       |
| 2. Frequency distribution  | ii. Percentage of student (x)                         |
| 3. Continuous distribution | iii number of child(x) and number of <u>family(f)</u> |

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



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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

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

- a. Deciles
- b. Median,
- c. Mean
- d. None of these

- A
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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

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10. The combined mean of the following data:

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Group II	$\bar{x}_2 = 150$	$n_2 = 20$

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

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12.

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
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\*

13. If

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

Then the value of mode is \_\_\_\_\_

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

- A
- B
- C
- D

\*

14. The median class to the following data is \_\_\_\_\_

Wage	10-20	20-30	30-40	40-50	50-60
frequency	18	23	30	15	4

- a) 10-20
- b) 20-30
- c) 30-40
- d) 40-50

A

B

C

D



\*

15. Which of the following is true?

a. Median= second Quartile

b. Median= Mean

c. Mode=Mean

d. Median=Mode

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
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\*

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

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

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18. If  $Q_1=25$  and  $Q. D=12.5$  then  $Q_3=?$

- a) 25
- b) 125
- c) 75
- d) 50

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19.

Class	Blow-10	10-20	20-30	30-40	Above 40
Frequency	2	5	7	7	4

Which of the flowing is not calculated?

- a. Median
- b. Mode
- c. Mean
- d. Quartile

- A
- B
- C
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\*

## 20. Match the pair

1. Mean

i.  $l + \frac{f_m - f_1}{2f_m - f_1 - f_2} * h$

2. Median

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

3. Mode

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

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

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24 Bcom-II Semester  
III Subject :  
Business Statistics Paper I

Date: 7/11/2023 Day : Tuesday  
12.00 pm Instructions: Each question carry one mark.

Time : 11.00 am to

Email \*

sutarshweta2908@gmail.com

Roll Number \*

6388

Name of Student \*

Shweta Prashant sutar

Mobile Number \*

8080206695

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....

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

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6. 1. Match the pair

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

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

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

A

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

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

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

- a. 12
- b. 15
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13. If

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

Then the value of mode is \_\_\_\_\_

- a) 10
- b) 20
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14. The median class to the following data is \_\_\_\_\_

Wage	10-20	20-30	30-40	40-50	50-60
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- c) 30-40
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- a. Median= second Quartile
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Class	0-10	10-20	20-30	30-40	40-50
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Class	Blow-10	10-20	20-30	30-40	Above 40
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3. Mode

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

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Date: 7/11/2023 Day : Tuesday  
12.00 pm Instructions: Each question carry one mark.

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Email \*

kumawatjyoti881@gmail.com

Roll Number \*

6320

Name of Student \*

Kumawat Jyoti Nandlal

Mobile Number \*

9623604400

Division \*

A

B

C

\*

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- c. 80
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12.

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
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\*

13. If

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

Then the value of mode is \_\_\_\_\_

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

- A
- B
- C
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Wage	10-20	20-30	30-40	40-50	50-60
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c. Mode=Mean

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- D

\*

18. If  $Q_1=25$  and  $Q. D=12.5$  then  $Q_3=?$

- a) 25
- b) 125
- c) 75
- d) 50

- A
- B
- C
- D

\*

19.

Class	Blow-10	10-20	20-30	30-40	Above 40
Frequency	2	5	7	7	4

Which of the flowing is not calculated?

- a. Median
- b. Mode
- c. Mean
- d. Quartile

- A
- B
- C
- D

\*

## 20. Match the pair

1. Mean

i.  $l + \frac{f_m - f_1}{2f_m - f_1 - f_2} * h$

2. Median

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

3. Mode

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

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

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Vivekanand College ,Kolhapur  
(Autonomous) Internal Examination 2023-  
24 Bcom-II Semester  
III Subject :  
Business Statistics Paper I

Date: 7/11/2023 Day : Tuesday  
12.00 pm Instructions: Each question carry one mark.

Time : 11.00 am to

Email \*

patilsp1608@gmail.com

Roll Number \*

6322

Name of Student \*

Shivani Nivrutti Patil

Mobile Number \*

7083775986

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

A

B

C

D

\*

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. (Lower limit + upper limit)/2

3. complete enumerationiii. 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. <u>Marks(class)</u> and number of student(f)       |
| 2. Frequency distribution  | ii. Percentage of student (x)                         |
| 3. Continuous distribution | iii number of child(x) and number of <u>family(f)</u> |

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.

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

\*

13. If

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

Then the value of mode is \_\_\_\_\_

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

- A
- B
- C
- D

\*

14. The median class to the following data is \_\_\_\_\_

Wage	10-20	20-30	30-40	40-50	50-60
frequency	18	23	30	15	4

- a) 10-20
- b) 20-30
- c) 30-40
- d) 40-50

- A
- B
- C
- D

\*

15. Which of the following is true?

a. Median= second Quartile

b. Median= Mean

c. Mode=Mean

d. Median=Mode

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



\*

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