MULTIPLE CHOICE QUESTIONS

Chapter : Statistics

1) If n is the total number of observations, the class whose cumulative frequency is greater than $\frac{n}{2}$,This class is called …….

  A) The median class   B) The modal clss   C) The mean class   D) none of these

2) For a certain distribution,mode and median were found to be 1000 and 1250 respectively. Find mean for this distribution using an empirical relation.
  A) 1375   B) 1265   C) 1145   D) 1550

3) The wickets taken by a bowler in 10 cricket matches are as follows: 2,6,4,5,0,2,1,3,2,3 Find the mode of the data
  A) 2   B)3   C) 4   D)5

4) The median of frequency distribution is found graphically with the help of

    A)   a histogram   B) a frequency curve   C) a frequency polygon   D) ogives

5) The class mark of the class 15.5 - 20.5 is

    A) 15.5   B) 20.5   C)18   D)5

6) Find the class mark of class 35-55 is

    A)45   B)46   C)47   D)48

7) The graphical representation of a cumulative frequency distribution is called

    A) Bar graph   B) Histogram   C) Frequency polygon   D) Ogive

8) An ogive is used to determine

    A) Standard deviation   B) Median   C)Mode   D) Mean

9) The abscissa of the point of intersection of less than type and more than type cumulative frequency curves of a grouped data gives its

        A) Mean   B) Median   C) Mode   D) Class

10) The relationship between mean, median and mode is ....median = 2 .... + ...

        A) 2,median, mode   B) 3,median, mode   C) 2,mean, mode   D) 3,mean, mode

11) Two ogives less than and more than type for the same data intersect at the point P. The y-coordinate of P represents

A) Modal   B) Range   C) Cumulative frequency of the median class   D) Median

12) The lower limit of class interval 0-5 is ……..

        A)0   B) 5   C)-0.5 D)0.5

13) The upper limit of class interval 10-25 is……

        A) 10   B)25   C)17.5   D) None of these

14) The lower limit of 0-9 is

        A) 0   B) 0.5   C) -0.5   D) 9.5

15) If $\sum f_i x_i$ =300 and $\sum f_i$ =30 then "Mean " of the grouped frequency distribution is……….

        A) 300   B) 30   C) 9000   D) 10

16) The upper llimit of 0-9 is

        A) 8.5   B) 9.5   C) -0.5   D) 0.5

17) The class mark of 0-9 is……..

        A) 5   B) 10   C) 0   D) 4.5

18) The class mark of 0-10 is……..

        A) 0   B) 9   C) 5   D) 4.5

19) The class size of 10-19 is ……

        A) 9   B)10   C) 14.5   D) 19

20) The class size of 10-20 is ……

        A) 9   B)10   C) 14.5   D) 19

21) In the following frequency distribution the modal class is.......

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

     A) 70-85   B) 55-70   C)10-25   D) 40-55

22) In the following frequency distribution the median class is.......

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	13	5	10	4

     A) 70-85   B) 25-40   C)10-25   D) 55-70

23) To calculate mode for the following frequency distribution f_0 is....

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

     A)13   B) 10   C) 6   D) 7

24) To calculate mode for the following frequency distribution f_1 is....

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

     A)13   B) 10   C) 6   D) 7

25) To calculate mode for the following frequency distribution f_2 is....

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

     A)13   B) 10   C) 6   D) 7

26) To calculate mode for the following frequency distribution lower limit of modal class is....

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

     A)55 B) 10   C) 40 D) 25

27) Find the "N" value in the following frequency distribution:

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	13	5	10	4

A) 40   B) 10   C) 40   D) 85

28) To draw a " less than " ogive ,along x-axis we should mark ………..

    A) Lower limits of class   B) Upper limits of class

    C) Class mark   D) Corresponding cumulative frequencies

29) To draw a " less than " ogive ,along y-axis we should mark ………..

    A) Lower limits of class   B) Upper limits of class

    C) Class mark   D) Corresponding cumulative frequencies

30) To draw a " more than " ogive ,along x-axis we should mark ………..

    A) Lower limits of class   B) Upper limits of class

    C) Class mark   D) Corresponding cumulative frequencies

31) The given frequency distribution is

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	13	5	10	4

And the missing term in corresponding " less than " Ogive frequency distribution is

Less than or equal to	25	40	55	70	85
Cumulative frequency	8	-------	26	36	40

    A) 13   B) 21   C) 0   D) None of these

32) The given frequency distribution is

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	13	5	10	4

And the missing term in corresponding " more than " Ogive frequency distribution is

More than or equal to	10	25	40	55	70
Cumulative frequency	40	32	…..	14	4

    A) 13   B) 21   C) 19   D) None of these

33)The given frequency distribution is

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	10	15	8	11	6

And the missing term in corresponding " less than " Ogive frequency distribution is

Less than or equal to	25	40	55	--------------	85
Cumulative frequency	10	25	33	44	50

A) 13   B) 70   C) 55   D) None of these

34) The given frequency distribution is

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	10	15	8	11	6

And the missing term in corresponding " more than " Ogive frequency distribution is

Less than or equal to	10	25	----------	55	70
Cumulative frequency	50	40	25	17	6

A) 13   B) 40   C) 55   D) None of these

35) The coordinates of a point at which "less than ogive " and :more than ogive " for same frequency distribution intersect is (25,34) then the median is ……

A) 25   B)34   C) 59   D) 9

36) To calculate median for the following frequency distribution lower limit of median class is….

Class interval	10-25	25-40	40-55	55-70	70-85
frequency	8	7	13	10	6

A) 55   B) 10   C) 40   D) 25