



ST. LAWRENCE HIGH SCHOOL



TOPIC-Histogram and Frequency Polygon

Sub: Mathematics

Class-9

F.M. -15.

Work Sheet -26

Date: 13.5.2020

1. Choose the correct options :

- (i) If the frequency of a class 70 - 105 is 7 then frequency density is :
a) 2 b) 20 c) 0.2 d) 0.02
- (ii) If the frequency of a class in a frequency distribution is 12 and total frequency is 30 then frequency percentage will be _____.
a) 4 b) 0.4 c) 40 d) 400
- (iii) The length of the class of 11 - 20, 21 - 30, is _____.
a) 9 b) 9.5 c) 10 d) 10.5
- (iv) The range of the statistical data 9, 7, 11, 8, 6, 18, 13, 21, 14, 5 is _____.
a) 12 b) 14 c) 15 d) 16
- (v) If we divide the frequency of the class by the total frequency we get _____.
a) Frequency b) frequency density c) relative frequency d) % frequency.
- (vi) The average value of the extreme values of a variable in a class is called _____ of the class.
a) length b) lower limit c) mid value d) upper limit
- (vii) The histogram lies in the _____ quadrant.
a) first b) second c) third d) fourth
- (viii) In case of drawing histogram, the base of the rectangle of each class is:
a) frequency b) range c) class length d) class boundary
- (ix) In case of drawing histogram the class boundary is taken along
a) Y-axis b) X-axis c) none of the above
- (x) Histogram is _____ bar diagram.
a) Discrete b) continuous c) complex d) none,
- (xi) Which of the following is the diagrammatic representation of the data?
a) bar diagram b) raw data c) cumulative frequency d) frequency distribution
- (xii) The graph which is drawn by the mid value of the class and frequency is _____.
a) Histogram b) frequency polygon c) frequency distribution d) none of these.
- (xiii) In case of histogram the sum of the areas of rectangles is _____ to the area of a frequency polygon.

- a) Less than b) greater than c) equal to d) none of these.
- (xiv) In a histogram the area of each rectangle is proportional to _____ of the class.
a) length b) frequency c) width d) none of these.
- (xv) To draw a histogram of the frequency distribution class _____ is taken along x axis.
a) limit b) boundary c) length d) width

Debjani Das.