ST. LAWRENCE HIGH SCHOOL

TOPIC-Frequency Distribution.

Sub: Mathematics **Class-9** **F.M. -15.**

Work Sheet -25 **Date: 12.5.2020**

---

1. Choose the correct options :

(i) The variable which can take all the values between two fixed values is called a _____ variable.

a) Discrete b) continuous c) none of the above.

(ii) The number of times a particular variable value occurs is called _____ of that variable.

a) Continuous b) discrete c) frequency d) none of the above.

(iii) The difference between the largest variable value and the smallest variable value is called _____.

a) Range b) frequency density c) class limit d) mid value.

(iv) If the values of the variable are divided into some classes then each class is called a_____.

a) Class interval b) class limit c) class boundary d) mid value.

(v) If we divide the frequency of the class by the length of the class we get _____.

a) Frequency b) frequency density c) relative frequency d)% frequency.

(vi) The range of the following quantities 24, 18 16, 20, 28, 21, 17 is _____.

a) 12 b) 16 c) 21 d)28.

(vii) The length of the class 1-5, 5-10, ...etc is :

a) 3 b)4 c) 5 d) 4.5

(viii) In a continuous grouped frequency distribution the frequencies of the classes (95-105), (105-115), (115-125), (125-135) are 20, 26, 38, and f. If the total frequency is 100 then the value of f is :

a) 18 b) 16 c) 14 d) 26

(ix) In a given data the greatest quantity is 197 . What should be the least quantity so that the range of the data is 32 ?

a) 155 b)165 c) 65 d) 175

(x) The range of the following data is ;

Height (cm) :	95-98	99-102	103-106	107-110
No of student:	10	15	18	12

a) 10 b) 12 c) 14 d) 16

(xi) In a classified data the relative frequency of the class (70-105) is 0.14. If the total frequency is 50 then the frequency of that class is :

a) 5 b)14 c) 7 d) 28

(xii) In a frequency distribution table the mid value of a class 10 and the length of the class is 5. The upper limit of the class is :

a) 15 b) 13 c) 13.5 d) 12.5

(xiii) The class boundary of a frequency distribution is (149.5-159.5). The length of the class boundary and midvalue are :

a) 9 and 155 b) 10 and 154.5 c) 10 and 155 d) 9 and 154.5

(xiv) In a frequency distribution 20-25 is a class interval and frequency of that class is 4, then frequency density will be :

a) 0.5 b) 0.4 c) 0.8 d) 0.2

(xv) In a classified data the % of the frequency of a class is 14%. If the total frequency is 50, then the frequency of the class is :

a) 7 b) 14 c) 21 d) 28.

DEBJANI DAS