Answer all the following questions(1×15=15)

1. The range of the data: 6,14,20,16,6,5,4,18,25,15, and 5 is
   I. 4
   II. 21
   III. 25
   IV. 20

   Answer:II
   Explanation: 25-4=21

2. The class mark of the class 20-30 is
   I. 20
   II. 30
   III. 25
   IV. 10

   Answer: III
   Explanation: (20+30) ÷2 = 25

3. The difference between the highest and the lowest value of the observations in a data is called:
   I. Mean
   II. Range
   III. Total frequency
   IV. Sum of observation

   Answer: II
   Explanation: By definition

4. In the interval 35-45, 45 is called
   I. Upper limit
   II. Lower limit
   III. Range
   IV. Frequency

Answer: II
Explanation:By definition

5. The number of times a particular observation occurs in a given data is called:
   I.   Its frequency
   II. Its range
   III. Its mean
   IV. None of these

   Answer:I
   Explanation:By definition

6. Tally marks are used to find which of the following?
   I.   Frequency
   II. Lower limits
   III. Upper limits
   IV. Class marks

   Answer: I
   Explanation: By definition

7. .The arithmetic mean of the numbers 1,6,0,-2, 4,7,5 is
   I. 3
   II. 1
   III. – 2
   IV. 7

   Answer:I
   Explanation: Total divided by 7 =3

8. .The mean is also called?
   I. Mode
   II.Median
   III. Average
   IV. none of these

   Answer:III
   Explanation: arithmetic mean is also known as average

9 .A collection of numerical facts about objects or events is called?
   I. Statistics
   II. Data
   III. Sample
   IV. none of these

   Answer: II
   Explanation:By definition of data

10 .If total weight of 20 students is 800 kgs, the average weight of a student is?
   I. 40kg
   II. 45kg

III. 50kg

IV.20 kg

Answer:I

Explanation: $800 \div 20 = 40$

11.If the arithmetic mean of the observations x, x+1, x-1 is 30,then x is?

I. 15

II. 3

III. 30

IV. 10

Answer: III

Explanation:$(x+ x+1 +x-1) \div 3 = 30$

12.The mean of first 5 prime numbers is

I. 5.6

II. 2.6

III. 4

IV. 1.8

Answer: I

Explanation: $(2+3+5+7+11) \div 5 = 5.6$

13. 0- 5,5-10, 10-15 … .. . are called?

I. class mark

II.class frequency

III. class intervals

IV.class width

Answer: III

Explanation: By definition

14.The mean of 5 numbers is 20.If one number is excluded, mean of remaining numbers becomes 23.The excluded number is

I. 8

II.10

III.18

IV. none of these

Answer: I

Explanation: $5 \times 20 – 4 \times 23 = 8$

15 . If average runs of a all players in a cricket match is 30,then the total runs of the team is

I. 400

II. 330

III. 250

IV.300

Answer: II

Explanation: $11 \times 30 = 330$