WORKSHEET-10

SUBJECT – STATISTICS

Term : 1st

Topic – CENTRAL TENDENCY   **Class: XI**

Full Marks: 15   **Date:29 .06. 2020**

Q1.   Select the correct alternative of the following questions.

(i)   The marks of 5 students in a class test are 11, 8, 76, 10, 15. A suitable
measure of these marks is
(a) mean   (b) first value   (c) highest value   (d) none of these

(ii)   The AM of $1,2,2^2, ...,2^9$ is
(a) 102.4   (b) 102.3   (c) 1024   (d) none of these

(iii)   Arithmetic mean of first n+1 even natural numbers is
(a)n-1   (b)n+1   (c) $\frac{n-1}{2}$ (d) none of these

(iv)   If all the Observation is equal to -3, then the am is equal to
(a)2   (b)-3   (c)4   (d) none of these

(v)   Arithmetic mean of –n,-(n-1), ..., -1, 0, 1, ... , (n-1), is
(a) -1   (b) 0   (c) $\frac{n-1}{2}$ (d) none of these

(vi)   Arithmetic mean of religion of several people
(a)n-1   (b) 0   (c) $\frac{n-1}{2}$ **(d) none of these**

(vii)   Arithmetic mean can be calculated of a set having observation
(a) countably finite   (b) countably infinite
(c) uncountably finite   (d) none of these

(viii)   If 5x-7y = -2 and Arithmetic mean of x is 1, then Arithmetic mean of y is
(a) 0   (b)1   (c) 2   (d) none of these

(ix)   Arithmetic mean does not depends upon the change of
(a) base   (b) scale   (c) both   (d)none of these

(x)   The combined Arithmetic mean lies between the Arithmetic mean of two given sets
(a) always   (b) never   (c) sometimes   (d) none of these

(xi)   If the minimum value of a set of observations is -4, then the arithmetic mean is
(a) < -4 (b) > -4 (c) $= -4$ (d) none of these

(xii)   Sum of differences of arithmetic mean from all the observations is
(a) -1   (b) 1   (c) 0   (d) none of these

(xiii)   There are 10 observations with am. 3. If 3 is subtracted from all the observations then the mean of the new set is
(a) -3   (b) 0   (c) 3   (d) none of these

(xiv)   There are 10 observations with am. 4. If all the observations be divided by 4 then the mean of the new set is
(a)1   (b) 2   (c) 3   (d) none of these

(xv)   if there are two sets of observations with n values and mean respectively -5 and +5 then the composite arithmetic mean is
(a) -5   (b) 0   (c) 5   (d) none of these

Prepared by
Sanjay Bhattacharya