ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-17

SUBJECT – STATISTICS

Term : 1st

Topic – CENTRAL TENDENCY **Class: XI**

Full Marks: 15 **Date:09 .07. 2020**

Q1. Select the correct alternative of the following questions.

(i) The marks of 5 students in a class test are 1, 2, 4, 7, 8, 11. The median is greater than

(a) 2 (b)5.5 (c)8 (d) none of these

(ii) The median is used when the set of observations has

(a) all values (b) outlier (c)equal values (d) none of these

(iii) The marks of 5 students in a class test are 2, 4, 7, 8, 23. The median is

(a) 2 (b)7 (c)11 (d) none of these

(iv) If all the Observation is equal to $-\frac{1}{7}$, then the median is equal to

(a) 1 (b) $-\frac{1}{7}$ (c)-5 (d) none of these

(v) Median of -(2n+3), ..., -1, 0, 1, ... , (2n+3) is

(a) -1 (b) 0 (c) $\frac{n-1}{2}$ (d) ∞

(vi) Median of religion of several people

(a)n-1 (b) 0 (c) $\frac{n-1}{2}$ (d) none of these

(vii) The median can always be calculated of a set having observation

(a) countably infinite (b) uncountably infinite

(c) uncountably finite (d) none of these

(viii) If 5x=9y then and median of x is 7, then median of y is

(a) 0 (b)1 (c)0. 5 (d) none of these

(ix) The combined harmonic mean depends upon the mean of

(a) 1^{st} set (b) 2^{nd} set (c) both (d)none of these

(x) The composite median is less than the harmonic mean of the given sets which is

(a) maximum (b) minimum (c) both (d) none of these

(xi) The composite arithmetic mean is greater than the median of the given sets which is

(a) maximum (b) minimum (c) both (d) none of these

(xii) The sum of differences of median from to all the observations except one value is

(a) -1 (b) 1 (c) 0 (d) none of these

(xiii) Theres are 10 observations with median 3. If 0.3 is added to all the observations then the median of the new set is

(a) 3.3 (b) 10 (c) 30 (d) none of these

(xiv) There are 10 observations with median 4. If all the observations be added by 4 then of the reciprocal of median of those are

(a)0 (b) 2 (c) 1 (d) none of these

(xv) The suitable measure to find the central value when all the observations are equal

(a) AM (b) GM (c) all (d) none of these

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