WORKSHEET-14

SUBJECT – STATISTICS

Term : 1st

Topic – CENTRAL TENDENCY   **Class: XI**

Full Marks: 15   **Date:06 .07. 2020**

Q1.   Select the correct alternative of the following questions.

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

(a) 2   (b)4   (c)8   (d) none of these

(ii)   The HM is used to calculate the average of

(a) all values   (b) observation in HP (c)observation in AP   (d) none of these

(iii)   The marks of 5 students in a class test are 2, 4, 7, 8, 11. The harmonic mean is less than

(a) 2   (b)4   (c)11   (d) none of these

(iv)   If all the Observation is equal to $\frac{1}{5}$, then the hm is equal to

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

(v)   Harmonic mean of -(2n+3), ………., -1, 0, 1, …….. , (2n-1) is

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

(vi)   Harmonic mean of honesty of several people

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

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

(viii)   If $5x=0.7y^2$ and harmonic mean of x is 7, then harmonic mean of y is
(a) 0   (b)1   (c)0. 5   (d) none of these

(ix)   The combined harmonic mean depends upon the harmonic mean of
(a) 1st set   (b) 2nd set   (c) both   (d)none of these

(x)   The composite Harmonic mean 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 Harmonic mean is greater than the harmonic mean of the given
sets which is
(a) maximum (b) minimum (c) both   (d) none of these

(xii)   The sum of differences of harmonic mean from to all the observations is
(a) -1   (b) 1   (c) 0   (d) none of these

(xiii)   Theres are 10 observations with harmonic mean 3. If 0.3 is added to all the
observations then the geometric mean of the new set is
(a) -30   (b) 10   (c) 30   (d) none of these

(xiv)   There are 10 observations with hm. 4. If all the observations be subtracted by 4
then the sum of the reciprocal of those are
(a)0   (b) 2   (c) 1   (d) none of these

(xv)   The suitable measure to find the average of any rate measure is
(a) AM   (b) GM   (c) HM   (d) none of these

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