





A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTION OF WORKSHEET-9

SUBJECT - STATISTICS

| | | | <u>Term</u> : | 1 st | | | | | |
|--------|---------|---|-------------------|---------------------|----------|-------------------|--|--|--|
| Topi | c – CEN | Class: XI | | | | | | | |
| Full 1 | Marks: | Date:27.06.2020 | | | | | | | |
| Q1. | Select | t the correct alt | | | | | | | |
| | (i) | Arithmetic m | | | | | | | |
| | | $(a)^{\frac{n+1}{2}}$ | (b) $\frac{n}{2}$ | (c) $\frac{n-}{2}$ | <u>1</u> | (d) none of these | | | |
| | (ii) | is | | | | | | | |
| | | (a) $\frac{n+1}{2}$ | (b) $\frac{n}{2}$ | (c) $\frac{n-1}{2}$ | <u>1</u> | (d) none of these | | | |
| | (iii) | (iii) Arithmetic mean of first n even natural numbers is | | | | | | | |
| | | (a)n-1 | (b)n+1 | (c) $\frac{n-1}{2}$ | <u>1</u> | (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) | , (n-1), n is | | | | | | | |
| | | (a)n-1 | (b) 0 | (c) $\frac{n-1}{2}$ | 1 | (d) none of these | | | |
| | (vi) | Arithmetic m | | | | | | | |
| | | (a)n-1 | (b) 0 | (c) $\frac{n-1}{2}$ | <u>1</u> | (d) none of these | | | |
| | (vii) | Arithmetic mean is calculated of | | | | | | | |
| | | (a) variable | (b) attri | bute(c) bot | h | (d) none of these | | | |
| | (viii) | If 2x+3y =5 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 depends upon the change of | | | | | | | |
| | | (a) base | (b |) scale | (c) both | (d)non of these | | | |

| (x) | observation is | nean of first a $(b) \frac{(n-1)(2n+1)}{6}$ | | | • | s as the | | | |
|--------|---|---|--|-----------------|------|----------|--|--|--|
| (xi) | | rvations have v (b) -2 | | | | | | | |
| (xii) | observation | n observation $(b) \frac{n(n-1)^2}{4}$ | | • | | quare of | | | |
| (xiii) | There are 10 observations with am. 3. If 3 be added to all the observations then the mean of the new set is (a)4 (b) 5 (c) 6 (d) none of these | | | | | | | | |
| (xiv) | There are 10 observations with am. 4. If 4 be muliplied to all the observations then the mean of the new set is (a)14 (b)15 (c)16 (d) none of these | | | | | | | | |
| (xv) | | ean is rigid (b) not | | s(d) none of th | nese | | | | |

Prepared by Sanjay Bhattacharya