ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-36

SUBJECT – STATISTICS

Term : Final

Topic – Moment & Skewness **Class: XI**

Full Marks: 15 **Date:13 .02. 2021**

Q1. Select the correct alternative of the following questions.

(i) The value of m_0 is
(a) 0 (b) 1 (c) 2 (d) none of these

(ii) The value of m_1 is
(a) 0 (b) 1 (c) $\bar{x}$ (d) none of these

(iii) The value of m_2 is
(a) 0 (b) 1 (c) 2 (d) none of these

(iv) The value of m_3 is
(a) 0 (b) 1 (c) 2 (d) none of these

(v) For a set of observation $Sk_1 > 0$ implies that the set is
(a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these

(vi) For a set of observation $Sk_1 < 0$ implies that the set is
(a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these

(vii) For a set of observation $Sk_2 < 0$ implies that the set is
(a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these

(viii) For a set of observation $Sk_2 > 0$ implies that the set is
(a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these

(ix) For a set of observation $Sk_2 = 0$ implies that the set is
(a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these

(x) The value of m_4 is
(a) mean (b) 1 (c) 2 (d) none of these

(xi) All odd ordered central moments about zero is
(a) < -4 (b) > -4 (c) = **-4** (d) none of these

(xii) All odd ordered central moments of symmrtric distribution about zero is
(a) -1 (b) 1 (c) 0 (d) none of these

(xiii) All even ordered central moments of symmrtric distribution about zero is
(a) -3 (b) 1 (c) 3 (d) none of these

(xiv) For a symmetric distribution
(a)mean= mode (b) mean> median (c) mean< median(d) none of these

(xv) If all the observations are positive then $m_1^{/} \, is \ldots\ldots m_1$
(a) less (b) greater (c) equal (d) none of these

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