ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET- 26

SUBJECT – STATISTICS

Term : 2nd

Topic – Probability **Class: XI**
Full Marks: 15 **Date:09 .11. 2020**

Q1. Select the correct alternative of the following questions.

(i) Probability is a
(a) measure (b) concept (c)attribute (d) none of these

(ii) If the sets A and B are mutually exhaustive then P(A∩B) is
(a) S (b)∅ (c)0 (d) none of these

(iii) If the sets A and B are mutually exclusive then P(A∩B) is
(a) S (b)∅ (c)0 (d) none of these

(iv) If the sets A and B are mutually exhaustive then P(A∪B) is
(a) 1 (b)∅ (c)0 (d) none of these

(v) If the sets A and B are equally likely then P(A∪B) is
(a) S (b)∅ (c)0 (d) none of these

(vi) If the sets A and B are equally likely then P(A∩B) is
(a) S (b)∅ (c)0 (d) none of these

(vii) If the sets A and B are equally likely then
(a) P(A)=0 (b) P(B)=0 (c)P(A)=P(B) (d) none of these

(viii) The probability can be calculated only of a/an
(a) trial (b) sample space (c) event (d) none of these

(ix) The probability of a sure event is

(a) 0 (b) 0.5 (c) 1 (d)none of these

(x) The probability of an impossible event is

(a) 0 (b) 0.5 (c) 1 (d)none of these

(xi) The probability of getting 7 as a face value when an unbiased die is

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

(xii) The probability of getting two heads when an unbiased die is rolled twice

(a) 0 (b) 0.25 (c) 0.5 (d) none of these

(xiii) The probability of an event lies between

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

(xiv) If both the probabilities of two event are same of same experiment , then the events are

(a) exhaustive (b) equally likely (c) mutually exclusive(d) none of these

(xv) For the events A and A^c , P(A) + P(A^c) =

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

Prepared by
Sanjay Bhattacharya