SOLUTION OF 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

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