



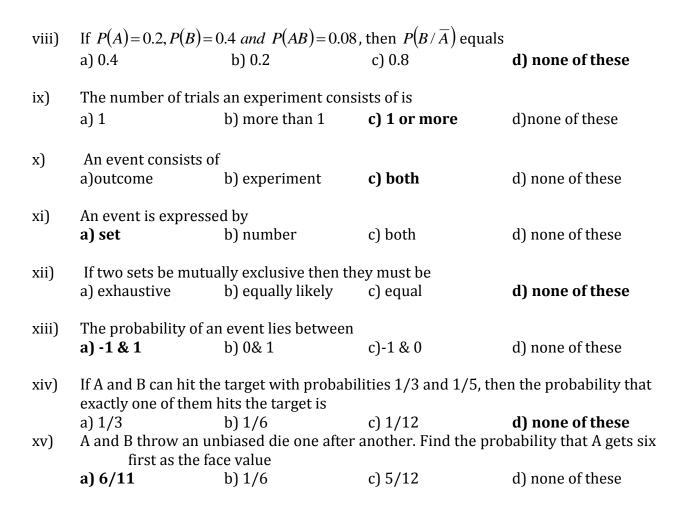
## ST. LAWRENCE HIGH SCHOOL

## A JESUIT CHRISTIAN MINORITY INSTITUTION

## **SOLUTION OF WORKSHEET- 31**

## **SUBJECT - STATISTICS**

<u>Term : Final</u>				
Topic - Probability Full Marks: 15		Class: XI Date:		:16 .01. 2021
Q1.	Select the correct alternative of the following questions.			
i)	Probability is a <b>a) measure</b>	b) concept	c)attribute	d) none of these
ii)	If the sets A and B ar a) S	e mutually exhaustiv (b)Ø	re then P(A∩B) is c)0	d) none of these
iii)	If the sets A and B ar a) S	e mutually exclusive (b)Ø	then $P(A \cap B)$ is $c)0$	d) none of these
iv)	If the sets A and B ar a) 1	e mutually exhaustiv b)Ø	re then P(A∪B) is c)0	d) none of these
v)	If $A_1, A_2, A_3$ are mutually exclusive, mutually independent and exhaustive, then the probability that $A_1, A_2, A_3$ occur simultaneously is			
	a) $\frac{1}{3}$	b) 0	c) 1	d) none of these
vi)	The probability of ge a) $\frac{1}{9}$	etting 9 dots with two <b>b)</b> $\frac{1}{6}$	o unbiased dice is c) $\frac{1}{18}$	d) none of these
vii)	If $A_1, A_2, A_3$ are equally likely, exhaustive and mutually exclusive, then $P(A_1)$ equals			
	a) 1	b) 0	c) $\frac{1}{2}$	<b>d)</b> $\frac{1}{3}$



Prepared by SANJAY BHATTACHARYA