





## **WORKSHEET-14**

## **SUBJECT - STATISTICS**

Term: PRE TEST

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Q1.	Select the correct alternative of the following questions.								
	(i)	The expectati	on in Po b) 6	oisson d	istribution ( 3 c) 3	3) is	d) none of these		
	(ii)	The variance in Poisson distribution (2) is b) 2 b) 3 c) 2.25					d) none of these		
	(iii)	Binomial dist a) small	ribution b) larg		o Poisson dis	tribution when	p is too d) none of these		
	(iv)	Binomial dist a) small	ribution b) larg		o Poisson dis c) 0.5	tribution when	n is too d) none of these		
	(v)	Binomial dist	ribution b) 1	tends t	o Poisson dis c) constant	tribution when	np is d) none of these		
	(vi)	$X \sim Bin(8, p)$ and $Y \sim Poisson$ (5) independently, then covariance between $X$ and $Y$ is							
		a) 0	b) 0.5		c) -0.5		d) none of these		
	(vii)	X~ Poisson( a) left continu				c)continuou	us d) none of these		
	(viii)	If for a rando a) 0	m variał	ole X ~ b) 1	$Poisson(\lambda),$	E(X-E(X)) is c) 0.5	s equal to d) none of these		

(ix)	If a random variable X defines the number of misprints per page of a book, then X follows								
	a) binomial	b) Poisson	c) Uniform	d) none of these					
(x)	If $X \sim Poisson(2)$ , then $P(X=1)$ is								
	a) $2e^{-2}$	b) 2 <i>e</i> <sup>2</sup>	c) $2e^{-1}$	d) none of these					
(xi)	If $X \sim Poisson(1)$ , then $P(X \le 1)$ is								
	a) $2e^{-2}$	b) 2 <i>e</i> <sup>2</sup>	c) $2e^{-1}$	d) none of these					
(xii)	In case of Poisson distribution the trials are								
	a) countable	b) uncountable	c) semicountable	d) none of these					
(xiii)	The probability distribution which has mean eual to variance is								
	a) binomial	b) Poisson	c) Uniform	d) none of these					
(xiv)	The 2 <sup>nd</sup> order central moment of Poisson (6) is								
	a) 4	b) 3	c) 6	d) none of these					
(xv)	If $X \sim Poisson(0.5)$ , then $P(X=0)$ is								
	a) $e^{-0.5}$	b) $e^{0.5}$	c) $e^{-3}$	d) none of these					

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