1.	The probabi	ility of a leap	year selected a	at random contain 53	
Sunday is:					
	(a) 53/366	(b) 1/7	(c) 2/7	(d) 53/365	
2.	A bag conta	ins 3 red and	2 blue marbles	s. A marble is drawn at	
ran	dom. The prob	pability of draw	wing a black ba	all is :	
	(a) 3/5	(b) 2/5	(c) 0/5	(d) 1/5	
3.	The probabi	ility that it wil	l rain tomorrov	v is 0.85. What is the	
pro	bability that it	will not rain t	omorrow		
	(a) 0.25	(b) 0.145	(c) 3/20	(d) none of these 4.	
				r selected from the	
	numbers	s (1, 2, 3,	,15) is a mult	iple of 4?	
	(a) 1/5				
				ow three coins?	
			(c) 8		
6.				ted at random from the	
	numbers (1,2,				
	(a) 12/35	(b) 11/3	5 (c) 13/3	35 (d) none of these	
				event and non event is:	
	(2) 2	(b) 1 (a)	(-1)	6.11	
(a) 2 (b) 1 (c) 0 (d) none of these.  8. The following probabilities are given; choose the correct answer					
8.	· · ·		, ,		
	· · ·	probabilities	, ,		
	The following that which is n	probabilities not possible.	are given; cho	ose the correct answer	
for	The following that which is no (a) 0.15	probabilities not possible. (b) 2/7	are given; choo (c) 7/5		
for If t	The following that which is no (a) 0.15	probabilities not possible. (b) 2/7 tossed simult	are given; choo (c) 7/5	(d) none of these. <b>9.</b>	
for If the	The following that which is not also in the following (a) 0.15 hree coins are sting at least two in the following in the foll	probabilities not possible. (b) 2/7 tossed simult no heads, is:	(c) 7/5	(d) none of these. 9. In the probability of	
for If the	The following that which is not also in the following (a) 0.15 hree coins are sting at least two in the following in the foll	probabilities not possible. (b) 2/7 tossed simult no heads, is:	(c) 7/5	(d) none of these. 9. In the probability of	
for If the get 10.	The following that which is not also as the coins are sting at least two (a) 1/4  A letter is ch	probabilities not possible. (b) 2/7 tossed simult no heads, is: (b) 3/8 osen at rando	are given; choose $(c) 7/5$ taneously, than $(c) \frac{1}{2}$ om from the let	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word	
for If the get 10.	The following that which is no (a) 0.15 hree coins are sting at least two (a) 1/4 A letter is chessing the sassination	probabilities not possible. (b) 2/7 tossed simult no heads, is: (b) 3/8 osen at rando . The probabi	are given; choose $(c) 7/5$ taneously, than $(c) \frac{1}{2}$ om from the let lity that the let	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:	
for If the get 10.	The following that which is not also as the coins are sting at least two (a) 1/4  A letter is ch	probabilities not possible. (b) 2/7 tossed simult no heads, is: (b) 3/8 osen at rando	are given; choose $(c) 7/5$ taneously, than $(c) \frac{1}{2}$ om from the let lity that the let	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word	
for If the get 10. AS	The following that which is no (a) 0.15 hree coins are sting at least two (a) 1/4 A letter is ches SASSINATION (a) 6/13	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando . The probabil	are given; choose $(c) 7/5$ taneously, than $(c) \frac{1}{2}$ om from the let $(c) 1$	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:	
for If the get 10. AS	The following that which is no (a) 0.15 hree coins are sting at least two (a) 1/4 A letter is ches SASSINATION (a) 6/13	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando . The probabil	are given; choose $(c) 7/5$ taneously, than $(c) \frac{1}{2}$ om from the let $(c) 1$	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:  (d) none of these.	
for If the get 10. AS	The following that which is no (a) 0.15 hree coins are sting at least two (a) 1/4  A letter is chest sales (a) 6/13  A dice is three	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando . The probabil	are given; choose $(c)$ 7/5 caneously, than $(c)$ $\frac{1}{2}$ om from the let $(c)$ 1 probability of $(c)$	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:  (d) none of these.	
for If the get 10. AS 11. (A)	The following that which is not as a coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13 A dice is through the coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13 A dice is through the coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando (b) 7/13 own. Find the (B) 1	(c) 7/5 taneously, than (c) ½ om from the let (c) 1 probability of (	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:  (d) none of these.  getting an even  (D) 1/2	
for If the get 10. AS 11. (A) 12.	The following that which is no (a) 0.15 hree coins are sting at least two (a) 1/4  A letter is ches SASSINATION (a) 6/13  A dice is through the coins are strong that the coin	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando (b) 7/13 own. Find the (B) 1	(c) 7/5 taneously, than (c) ½ om from the let (c) 1 probability of (	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:  (d) none of these.  getting an even	
for If the get 10. AS 11. (A) 12. get	The following that which is not as a coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13 A dice is through the coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13 A dice is through the coins are sting at least two (a) 1/4 A letter is chest sassination (a) 6/13	probabilities not possible. (b) 2/7 tossed simult to heads, is: (b) 3/8 osen at rando (b) 7/13 own. Find the (B) 1 thrown at the	(c) 7/5 taneously, than (c) ½ om from the let (c) 1 probability of (	(d) none of these. 9.  the probability of  (d) 1/8  ters of the word  ter chosen has:  (d) none of these.  getting an even  (D) 1/2	

13. Two dic sum of 9 is:		simultaneou	sly. The prob	pability of getting a		
(A) 1/10	(B) 3/10	(C) 1/	9 (D)	4/9		
14. 100 cards are numbered from 1 to 100. Find the probability of getting a prime number.						
(A) 3/4	(B) 27/50	(C) 1/4		D) 29/100		
•	a blue ball is a bag is:			s .If the probability then the number of		
16. A box of 600 bulbs contains 12 defective bulbs. One bulb is taken out at random from this box. Then the probability that it is non-defective bulb is:  (A) 143/150 (B) 147/150 (C) 1/25 (D) 1/50						
17. Cards marked with numbers 2 to 101 are placed in a box and mixed thoroughly. One card is drawn from this box randomly, then the probability that the number on card is a perfect square. (A) 9/100 (B) 1/10 (C) 3/10 (D) 19/100						
<b>18. What is</b> (A) 1/7	the probabil (B) 53/366			s in a leap year? 7/366		
<ul> <li>19. A card is drawn from a well shuffled deck of 52 cards. Find the probability of getting a king of red suit.</li> <li>(A) 1/26 (B) 3/26 (C) 7/52 (D) 1/13</li> </ul>						
20. A game of chance consists of spinning an arrow which is equally likely to come to rest pointing to one of the number 1,2,312 ,then the probability that it will point to an odd number is:  (A) $1/6$ (B) $1/12$ (C) $7/12$ (D) $5/12$						
21. A game consists of tossing a one rupee coin 3 times and noting its outcome each time. Aryan wins if all the tosses give the same						

probability that Aryan will lose the game.							
(A) 3/4 (B) 1/2 (C) 1 (D) 1/4							
22. Riya and Kajal are friends. Probability that both will have the same birthday is the same birthday is:							
-		(C) 1/365	(D) 1/133225				
	23. A number x is chosen at random from the numbers -2, -1, 0 , 1, 2. Then the probability that $x^2 < 2$ is?						
_	2/5 (C) 3/5						
a marble is is red is 2/3	drawn at randoi	m from the jar, th er of white marb	d others are white. If e probability that it les in the jar is: (A)				
25. A number is selected at random from first 50 natural numbers. Then the probability that it is a multiple of 3 and 4 is: (A) 7/50 (B) 4/25 (C) 1/25 (D) 2/25							
26. Consider a dice with the property that that probability of a face with n dots showing up is proportional to n. The probability of face showing 4 dots is?							
1	5	1	4				
a) 7	b) 42	C) 21	d) 21				
27. Runs scored by batsman in 5 one day matches are 50, 70, 82, 93, and 20. The standard deviation is							
a) 25.79	b) 25.49	c) 25.29	d) 25.69				
28. Find median and mode of the messages received on 9 consecutive days 15, 11, 9, 5, 18, 4, 18, 13, 17.							
a) 13, 15	b) 13, 18		d) 13, 16				
29. A coin is tossed up 4 times. The probability that tails turn up in 3 cases is							

result i.e. three heads or three tails and loses otherwise. Then the

30. X is a variate between 0 and 3. The value of $E(X^2)$ is a) 8	a) $^{1}/2$	b) <sup>1</sup> /3		c) $^{1}/4$	d)			
30. X is a variate between 0 and 3. The value of $E(X^2)$ is a) 8	1/6							
a) 8 b) 7 c) 27 d) 9  31.The random variables X and Y have variances 0.2 and 0.5 respectively. Let Z= 5X-2Y. The variance of Z is? a) 3 b) 4 c) 5 d) 7  32.Out of the following values, which one is not possible in probability? a) $P(x) = 1$ b) $\sum x P(x) = 3$ c) $P(x) = 0.5$ d) $P(x) = 0.5$ d) $P(x) = 0.5$ d) $P(x) = 0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = 7$ a) 2 b) 6 c) 0 d) Insufficient data 34.The covariance of two independent random variable is  a) 1 b) 0 c) -1 d) Undefined 35.If $\sum P(x) = k^2 - 8$ then, the value of k is? a) 0 b) 1 c) 3 d) Insufficient data 36.If $P(x) = 0.5$ and $x = 4$ , then $E(x) = 7$ a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined 38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16								
respectively. Let Z= 5X-2Y. The variance of Z is? a) 3								
a) 3 b) 4 c) 5 d) 7  32.Out of the following values, which one is not possible in probability? a) $P(x) = 1$ b) $\sum x P(x) = 3$ c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) 2 b) 6 c) 0 d) Insufficient data  34.The covariance of two independent random variable is  a) 1 b) 0 c) -1 d) Undefined  35.If $\sum P(x) = k^2 - 8$ then, the value of k is? a) 0 b) 1 c) 3 d) Insufficient data  36.If $P(x) = 0.5$ and $x = 4$ , then $E(x) = ?$ a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	31.The rand							
32.Out of the following values, which one is not possible in probability?  a) $P(x) = 1$ b) $\sum x P(x) = 3$ c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = 7$ a) $P(x) = 2$ b) $P(x) = 2$ d) Insufficient data 34. The covariance of two independent random variable is $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, then $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, then $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, the value of $P(x) = x^2 - 8$ then, then $P(x)$	respectivel	y. Let Z= 5X-2Y	. The variar	nce of Z is?				
probability? a) $P(x) = 1$ b) $\sum x P(x) = 3$ c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) $2$ b) $6$ c) $0$ d) Insufficient data  34.The covariance of two independent random variable is  a) $1$ b) $0$ c) $-1$ d) Undefined  35.If $\sum P(x) = k^2 - 8$ then, the value of $k$ is? a) $0$ b) $1$ c) $3$ d) Insufficient data  36.If $P(x) = 0.5$ and $P(x) = 0.$	a) 3	b) 4	c) 5	d) 7				
a) $P(x) = 1$ b) $\sum x P(x) = 3$ c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) $2$ b) $6$ c) $0$ d) Insufficient data  34.The covariance of two independent random variable is  a) $1$ b) $0$ c) $-1$ d) Undefined  35.If $\sum P(x) = k^2 - 8$ then, the value of $k$ is? a) $0$ b) $1$ c) $3$ d) Insufficient data  36.If $P(x) = 0.5$ and $x = 4$ , then $E(x) = ?$ a) $1$ b) $0.5$ c) $4$ d) $2$ 37.In a discrete probability distribution, the sum of all probabilities is always? a) $0$ b) Infinite c) $1$ d) Undefined  38.If the probability of hitting the target is $0.4$ , find mean and variance. a) $0.4$ , $0.24$ b) $0.6$ , $0.24$ c) $0.4$ , $0.16$ d) $0.6$ , $0.16$ 39.If the probability that a bomb dropped from a place will strike the	32.Out of t	he following va	lues, which	one is not poss	ible in			
c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) $2$ b) $6$ c) $0$ d) Insufficient data  34.The covariance of two independent random variable is  a) $1$ b) $0$ c) $-1$ d) Undefined  35.If $\sum P(x) = k^2 - 8$ then, the value of k is? a) $0$ b) $1$ c) $3$ d) Insufficient data  36.If $P(x) = 0.5$ and $P(x) $	probability	?		_				
c) $P(x) = 0.5$ d) $P(x) = -0.5$ 33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) $2$ b) $6$ c) $0$ d) Insufficient data  34.The covariance of two independent random variable is  a) $1$ b) $0$ c) $-1$ d) Undefined  35.If $\sum P(x) = k^2 - 8$ then, the value of k is? a) $0$ b) $1$ c) $3$ d) Insufficient data  36.If $P(x) = 0.5$ and $P(x) $	a) $P(x) = 1$	b) ∑ x F	P(x) = 3					
33.If $E(x) = 2$ and $E(z) = 4$ , then $E(z - x) = ?$ a) 2 b) 6 c) 0 d) Insufficient data 34.The covariance of two independent random variable is  a) 1 b) 0 c) - 1 d) Undefined 35.If $\sum P(x) = k^2 - 8$ then, the value of k is? a) 0 b) 1 c) 3 d) Insufficient data 36.If $P(x) = 0.5$ and $x = 4$ , then $E(x) = ?$ a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined 38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	c) $P(x) = 0.5$	5 d) P(x)	= -0.5					
a) 2 b) 6 c) 0 d) Insufficient data 34. The covariance of two independent random variable is								
34. The covariance of two independent random variable is  a) 1 b) 0 c) -1 d) Undefined  35. If $\Sigma$ P(x) = $k^2$ - 8 then, the value of k is?  a) 0 b) 1 c) 3 d) Insufficient data  36. If P(x) = 0.5 and x = 4, then $E(x)$ = ?  a) 1 b) 0.5 c) 4 d) 2  37. In a discrete probability distribution, the sum of all probabilities is always?  a) 0 b) Infinite c) 1 d) Undefined  38. If the probability of hitting the target is 0.4, find mean and variance.  a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39. If the probability that a bomb dropped from a place will strike the			•					
a) 1 b) 0 c) $-1$ d) Undefined 35.If $\Sigma$ P(x) = $k^2 - 8$ then, the value of k is? a) 0 b) 1 c) 3 d) Insufficient data 36.If P(x) = 0.5 and x = 4, then E(x) = ? a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	•	•	•					
a) 0 b) 1 c) 3 d) Insufficient data  36.If P(x) = 0.5 and x = 4, then E(x) = ?  a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always?  a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance.  a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	34.The cov	ariance of two i	ndependen	t random variab	le is			
a) 0 b) 1 c) 3 d) Insufficient data  36.If P(x) = 0.5 and x = 4, then E(x) = ?  a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always?  a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance.  a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the			\ 4	Nil	1 6: 1			
a) 0 b) 1 c) 3 d) Insufficient data  36.If P(x) = 0.5 and x = 4, then E(x) = ?  a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always?  a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance.  a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	a) 1	b) 0	c) – 1	d) Un	defined			
36.If P(x) = 0.5 and x = 4, then E(x) = ? a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the								
a) 1 b) 0.5 c) 4 d) 2  37.In a discrete probability distribution, the sum of all probabilities is always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	•	•		•	sufficient data			
37.In a discrete probability distribution, the sum of all probabilities is always?  a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance.  a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the	• •		, ,					
always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) $0.4$ , $0.24$ b) $0.6$ , $0.24$ c) $0.4$ , $0.16$ d) $0.6$ , $0.16$ 39.If the probability that a bomb dropped from a place will strike the	a) 1	b) 0.5	c) 4	d) 2				
always? a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) $0.4$ , $0.24$ b) $0.6$ , $0.24$ c) $0.4$ , $0.16$ d) $0.6$ , $0.16$ 39.If the probability that a bomb dropped from a place will strike the								
a) 0 b) Infinite c) 1 d) Undefined  38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the		rete probability	distributio	n, the sum of all	probabilities is			
38.If the probability of hitting the target is 0.4, find mean and variance. a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16  39.If the probability that a bomb dropped from a place will strike the		la \	-\ 1	ما ۱۱ م	l a <b>f</b> : a al			
variance. a) $0.4$ , $0.24$ b) $0.6$ , $0.24$ c) $0.4$ , $0.16$ d) $0.6$ , $0.16$ 39.If the probability that a bomb dropped from a place will strike the	a) U	b) infinite	C) I	a) Und	ietinea			
a) 0.4, 0.24 b) 0.6, 0.24 c) 0.4, 0.16 d) 0.6, 0.16 <b>39.If the probability that a bomb dropped from a place will strike the</b>								
39.If the probability that a bomb dropped from a place will strike the		b) 0 6 0	24	c) 0.4 0.16	d) 0.6.0.16			
·	α <sub>/</sub> υ.⊣, υ.∠¬	<i>b)</i> 0.0, 0	<b>,</b> _¬	J, J.∃, J. 10	a) 0.0, 0.10			
·	39.If the probability that a bomb dropped from a place will strike the							
target is 60% and if 10 bombs are dropped, find mean and variance?								
• • •	a) 0.6, 0.24			• •	d) 4, 1.6			
	, ,		, -	•	, .			

40. Find the mean of tossing 8 coins.

C) E	tongo for	d) ( r etandar	l d normal	dictribution?
lean and val	iance io	Stariuar	u Horiilai	uistribution:
variance is c	o d) Me	an is $\infty$ a	nd varian	ice is 0
random vari	iable X is	aiven hy	,	
		-		d) (E(X))2
				, , , , , , , , , , , , , , , , , , , ,
	_	-		۹/ (۲(۸//۷
E(XZ)	C) E(XZ)	– (E(X))	Z	d) (E(X))2
stant 'a' is _		_ •		
_	•		d) 1	
•	•	<u>-</u>	d) 1	
and variand	e or x?			
1	2	3	4	
2/9	3/9	2/9	1/9	
b) 3. 4/3		c) 2. 2/3		d) 3, 2/3
•		•	?	-, -, -, -
1 2				
_				
3				
/6 2/6 1/	6			
	random variable E(X2) stant 'a' is _a constant 'a' a and variance  b) 3, 4/3 ctation of a random of a	variance is 1 b) Meavariance is ∞ d) Meavariance is ∞ d) Meavariance is ∞ d) Meavariance is ∞ d) E(X2)  idom variable X is give E(X2)  constant 'a' is constant 'a' is c) a c) a c) a/2 constant 'a' is c) a/2 constant 'a' is 2 and variance of X?  1 2 2/9 3/9	random variable X is given by E(X2) c) E(X2) - (E(X)  random variable X is given by E(X2) c) E(X2) - (E(X)  random variable X is given by E(X2) c) E(X2) - (E(X)  random variable X is given by E(X2) c) E(X2) - (E(X))  random variable X is given by E(X2) c) a/2  random variable X is given by E(X2) a/2  random variable X  random variable X	rean and variance for standard normal variance is 1 b) Mean is 1 and variance variance is $\infty$ d) Mean is $\infty$ and variance random variable X is given by

c) 2.5 d) 3.5

a) 0.5

48. In a Binomial Distribution, if p, q and n are probability of success, failure and number of trials respectively then variance is given by

- (b) npq c) np2q a) np d) npq2
- 49. If 'X' is a random variable, taking values 'x', probability of success and failure being 'p' and 'q' respectively and 'n' trials being conducted, then what is the probability that 'X' takes values 'x'? Use **Binomial Distribution.**
- a) P(X = x) = nCx px qx
- b) P(X = x) = nCx px q(n-x)
- c) P(X = x) = xCn qx p(n-x)
- d) P(x = x) = xCn pn qx

50. If 'p', 'q' and 'n' are probability pf success, failure and number of trials respectively in a Binomial Distribution, what is its Standard **Deviation?** 

- a)  $\sqrt{np}$  b)  $\sqrt{pq}$  c) (np)2
- (d)  $\sqrt{npq}$