Email * imperialhawkeye@gmail.com
Name of the student Misam Ashfak Pathan
Roll Number 6899
The event which consists of all sample points of the sample space is Event
a) Impossible
b) Certain
C) Mutually exclusive
d) Exhaustive

If A⊆ B, then P(A ∩ B)=	
a) P(A)	
(b) P(B)	
o c) P(B)-P(A)	
(d) P(A)-P(B)	

One card is drawn at random from a pack of 52 cards, the probability that it is King or Queen is.....

- a) 2/52
- **b)** 2/13
- c) 1/13
- d) 4/52

- (a) 1
- **b)** 1/7
- **o** c) 2/7
- O d) 0

79/23, 3:54 PM	Еlementary Probability Theory
	olving a problem are 4:3 and odds against Y solving the same problem of Y will solve the problem is
a) 4/7	
b) 3/7	
c) 2/5	
o d) 3/5	
A statement" A and B oc	ccurs simultaneously" can be represented symbolically as
b) A∩B	
c) A¯∩B¯	
() d) A∩B	
Which of the following is	s true?
a)P(A∩B) ≤ P(A)	

 $\bigcirc b) P(A) \le P(A \cup B)$ \bigcirc c) $P(A \cup B) \le P(A) + P(B)$ (a) All of the above

For any event A, P(A/A) is
a) one
O b) zero
O c) P(A)
(a) 1/P(A)
If A and B are two independent events such that $P(A)=0.5$, $P(A\cap B)=0.15$ then $P(B)$ is
a) 0.4
(a) b) 0.3
O c) 1
O d) 0.75
If A and B are two independent events then P(B A) is
(a) 0
O b) 1
c) P(B)
(d) P(A)

Which of the following statement is always correct? I: Pairwise independence → Mutually independence — II: Mutually independence → Pairwise independence
a) Only I is true
b) Only II is true
c) Both are true
d) Both are false
The sample space corresponding to the experiment "Three seeds are planted and total number of seeds germinated are recorded after a week" is
a) (0,3)
(a) b) {0,1,2,3}
C) {1,2,3}
(d) [0,3]
Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?
a) A heart and a queen
b) An even number and a spade
o) A club and a red card
O d) an ace and an odd number

c) 0.4

d) 0.5

Which of the following condition is true for independence of two events A and B
a) P(A)P(B)
b) P(A B) =P(A)
c) P(B A) =P(B)
d) All of these
Let A and B be two events such that $P(A) = 0.4$, $P(B)=0.7$ and $P(A \cup B)=0.8$. Then $P(A \cap B)$ is
(a) 0.3

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Email * karnedipa@gmail.con
Name of the student Dipali Ramesh Karne
Roll Number 6877
The event which consists of all sample points of the sample space is Event
a) Impossible
b) Certain
c) Mutually exclusive
d) Exhaustive

One card is drawn at random from a pack of 52 cards, the probability that it is King or Queen is.....

- a) 2/52
- **b)** 2/13
- c) 1/13
- d) 4/52

- a) 1
- **b)** 1/7
- **o** c) 2/7
- O d) 0

11/9/23, 3:54 PM	Elementary Probability Theory
	g a problem are 4:3 and odds against Y solving the same problem Y will solve the problem is
a) 4/7	
b) 3/7	
C) 2/5	
a d) 3/5	
A statement" A and B occur	s simultaneously" can be represented symbolically as
a) AUB	
b) A∩B	
○ c) A¯∩B¯	
(d) A∩B	
Which of the following is tru	e?
a)P(A∩B) ≤ P(A)	

Which of the following is true?

(a) $P(A \cap B) \le P(A)$ (b) $P(A) \le P(A \cup B)$ (c) $P(A \cup B) \le P(A) + P(B)$ (d) All of the above

For any event A, P(A/A) is
a) one
O b) zero
O c) P(A)
(a) 1/P(A)
If A and B are two independent events such that $P(A)=0.5$, $P(A\cap B)=0.15$ then $P(B)$ is
a) 0.4
(a) b) 0.3
O c) 1
O d) 0.75
If A and B are two independent events then $P(B A)$ is
(a) 0
O b) 1
c) P(B)
(a) P(A)

Which of the following statement is always correct? I: Pairwise independence →Mutually independence II: Mutually independence → Pairwise independence
a) Only I is true
b) Only II is true
c) Both are true
O d) Both are false
The sample space corresponding to the experiment "Three seeds are planted and total number of seeds germinated are recorded after a week" is
a) (0,3)
b) {0,1,2,3}
c) {1,2,3}
O d) [0,3]
Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?
a) A heart and a queen
b) An even number and a spade
o) A club and a red card
d) an ace and an odd number

c) 0.4

d) 0.5

which of the following condition is true for independence of two events A and B
a) P(A)P(B)
b) P(A B) =P(A)
c) P(B A) =P(B)
d) All of these
Let A and B be two events such that $P(A) = 0.4$, $P(B)=0.7$ and $P(A \cup B)=0.8$. Then $P(A \cap B)$
is
a) 0.3

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Email * sr.mark97@gmail.com
Name of the student Saad Sanjay Hasbe
Roll Number 6870
The event which consists of all sample points of the sample space is Event
a) Impossible
b) Certain
c) Mutually exclusive
d) Exhaustive

If A⊆ B, then P(A ∩ B)=
(a) P(A)
(b) P(B)
c) P(B)-P(A)
(a) P(A)-P(B)

One card is drawn at random from a pack of 52 cards, the probability that it is King or Queen is.....

- a) 2/52
- **b)** 2/13
- c) 1/13
- d) 4/52

- (a) 1
- **b)** 1/7
- **o** c) 2/7
- O (b) 0

11/9/23, 3:54 PM	Elementary Propability Theory
If odds in favor of X solving a problem a are 2:3, then probability of Y will solve the	are 4:3 and odds against Y solving the same problem e problem is
a) 4/7	
b) 3/7	
C) 2/5	
o d) 3/5	
A statement" A and B occurs simultaneous	sly" can be represented symbolically as
O a) A∪B	
(a) b) A∩B	
(c) A¯∩B¯	
(d) A∩B	
Which of the following is true?	
a)P(A∩B) ≤ P(A)	

a) $P(A \cap B) \le P(A)$ b) $P(A) \le P(A \cup B)$ c) $P(A \cup B) \le P(A) + P(B)$ d) All of the above

For any event A, P(A/A) is
a) one
O b) zero
O c) P(A)
(a) 1/P(A)
If A and B are two independent events such that $P(A)=0.5$, $P(A\cap B)=0.15$ then $P(B)$ is
a) 0.4
(a) b) 0.3
O c) 1
O d) 0.75
If A and B are two independent events then P(B A) is
(a) 0
O b) 1
o c) P(B)
(a) P(A)

Which of the following statement is always correct? I: Pairwise independence → Mutually independence II: Mutually independence → Pairwise independence
a) Only I is true
b) Only II is true
c) Both are true
d) Both are false
The sample space corresponding to the experiment "Three seeds are planted and total number of seeds germinated are recorded after a week" is
(0,3)
(a) b) {0,1,2,3}
C) {1,2,3}
(d) [0,3]
Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?
a) A heart and a queen
b) An even number and a spade
c) A club and a red card
d) an ace and an odd number

c) 0.4

d) 0.5

which of the following condition is true for independence of two events A and B
a) P(A)P(B)
b) P(A B) =P(A)
c) P(B A) =P(B)
d) All of these
Let A and B be two events such that $P(A) = 0.4$, $P(B)=0.7$ and $P(A \cup B)=0.8$. Then $P(A \cap B)$ is
a) 0.3

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Email * trupti.patilaug05@gmail.com
Name of the student Trupti vijay patil
Roll Number 7114
The event which consists of all sample points of the sample space is Event
a) Impossible
b) Certain
c) Mutually exclusive
d) Exhaustive

11/9/23, 3:55 PM	Elementary Probability Theory
If A⊆ B, then P(A ∩ B)=	
a) P(A)	
(b) P(B)	
c) P(B)-P(A)	
d) P(A)-P(B)	
One card is drawn at random from a pack of is	of 52 cards, the probability that it is King or Queen
a) 2/52	
b) 2/13	
C) 1/13	
d) 4/52	

Probability that a leap year, selected at random will contain 53 Sundays is.....

a) 1
b) 1/7
c) c) 2/7
d) 0

(a) All of the above

11/9/23, 3:55 PW	Еlетпептагу Ртораршку Тпеогу
If odds in favor of X solving a are 2:3, then probability of Y w	problem are 4:3 and odds against Y solving the same problem ill solve the problem is
a) 4/7	
b) 3/7	
C) 2/5	
o d) 3/5	
A statement" A and B occurs sin	multaneously" can be represented symbolically as
a) AUB	
(a) b) A∩B	
() a ∩ B −	
(d) A∩B	
Which of the following is true?	
a)P(A∩B) ≤ P(A)	
b) P(A) ≤ P(A∪B)	
c) P(A∪B) ≤ P(A)+P(B)	

For any event A, P(A/A) is
a) one
O b) zero
O c) P(A)
(a) 1/P(A)
If A and B are two independent events such that $P(A)=0.5$, $P(A\cap B)=0.15$ then $P(B)$ is
a) 0.4
(a) b) 0.3
O c) 1
O d) 0.75
If A and B are two independent events then $P(B A)$ is
(a) 0
O b) 1
c) P(B)
(a) P(A)

Which of the following statement is always correct? I: Pairwise independence → Mutually independence → Pairwise independence
a) Only I is true
b) Only II is true
C) Both are true
d) Both are false
The sample space corresponding to the experiment "Three seeds are planted and total number of seeds germinated are recorded after a week" is
a) (0,3)
b) {0,1,2,3}
O c) {1,2,3}
(d) [0,3]
Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?
a) A heart and a queen
b) An even number and a spade
c) A club and a red card
d) an ace and an odd number

c) 0.4

d) 0.5

Which of the following condition is true for independence of two events A and B
a) P(A)P(B)
b) P(A B) =P(A)
c) P(B A) =P(B)
d) All of these
Let A and B be two events such that $P(A) = 0.4$, $P(B)=0.7$ and $P(A \cup B)=0.8$. Then $P(A \cap B)$ is
10
a) 0.3

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Email * sbmambap9999@gmail.com
Name of the student Mane Siddhi Bipinkumar
Roll Number 6890
The event which consists of all sample points of the sample space is Event
a) Impossible
O b) Certain
C) Mutually exclusive
o d) Exhaustive

If A⊆ B, then P(A ∩ B)=
(a) P(A)
(b) P(B)
c) P(B)-P(A)
(a) P(A)-P(B)

One card is drawn at random from a pack of 52 cards, the probability that it is King or Queen is.....

- a) 2/52
- **b)** 2/13
- c) 1/13
- d) 4/52

- (a) 1
- **b)** 1/7
- **o** c) 2/7
- O d) 0

11/9/23, 3:55 PW	Elementary Probability Theory
	solving a problem are 4:3 and odds against Y solving the same problem lity of Y will solve the problem is
a) 4/7	
b) 3/7	
C) 2/5	
o d) 3/5	
A statement" A and B	occurs simultaneously" can be represented symbolically as
O a) A∪B	
b) A∩B	
C) A¯∩B¯	
d) A∩B ⁻	
Which of the following	ı is true?

Which of the following is true?

(a) $P(A \cap B) \le P(A)$ (b) $P(A) \le P(A \cup B)$ (c) $P(A \cup B) \le P(A) + P(B)$ (d) All of the above

For any event A, P(A/A) is
a) one
O b) zero
O c) P(A)
(a) 1/P(A)
If A and B are two independent events such that $P(A)=0.5$, $P(A\cap B)=0.15$ then $P(B)$ is
a) 0.4
b) 0.3
O c) 1
O d) 0.75
If A and B are two independent events then P(B A) is
(a) 0
O b) 1
o c) P(B)
(d) P(A)

Which of the following statement is always correct? I: Pairwise independence →Mutually independence → Pairwise independence
a) Only I is true
b) Only II is true
C) Both are true
O d) Both are false
The sample space corresponding to the experiment "Three seeds are planted and total number of seeds germinated are recorded after a week" is
a) (0,3)
b) {0,1,2,3}
C) {1,2,3}
(d) [0,3]
Which of the following is a pair of mutually exclusive events in the drawing of a single card from a pack of 52 playing cards?
a) A heart and a queen
b) An even number and a spade
o c) A club and a red card
d) an ace and an odd number

Which of the following condition is true for independence of two events A and B
a) P(A)P(B)
b) P(A B) =P(A)
c) P(B A) =P(B)
o d) All of these
Let A and B be two events such that $P(A) = 0.4$, $P(B)=0.7$ and $P(A \cup B)=0.8$. Then $P(A \cap B)$ is

(e) a) 0.3

(b) 0.7

c) 0.4

d) 0.5

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