10

17

1

Multiple Choice Questions

IMHT-CET 20221

(online shift)

A family with three children is chosen at random. The probability that the oldest and

youngest children are of the same gender is 1.

a)
$$\frac{2}{3}$$

b)
$$\frac{1}{2}$$

Five letters are placed at random in five addressed envelops. The probability that all

the letters are not dispatched in the respective right envelops is 2.

c)
$$\frac{4}{5}$$

d)
$$\frac{1}{5}$$

A round table conference is to be held amongst 20 countries. If two particular delegates

wish to sit together, then such arrangements can be done in ways 3.

b)
$$\frac{19!}{2!}$$

There are 2 shelves. One shelf has 5 Physics and 3 Biology books and other has 4 Physics and 2 Biology books. Then the probability of drawing a Physics book is 4. b) $\frac{9}{14}$ c) $\frac{31}{48}$ d) $\frac{1}{2}$

a)
$$\frac{9}{38}$$

b)
$$\frac{9}{14}$$

c)
$$\frac{31}{48}$$

d)
$$\frac{1}{2}$$

A bag contains 5 red balls and 3 green balls. A ball is selected at random and not 5. replaced. A second ball is then selected. The probability of selecting one red ball and one green ball is

b)
$$\frac{15}{112}$$

b)
$$\frac{15}{112}$$
 c) $\frac{15}{56}$

d)
$$\frac{15}{28}$$

A, B, C are three events, one of which must happen and only one can happen. The odds 6. in favour of A are 4:6, odds against B are 7:3, then odds against C are

One ticket is selected at random from 50 tickets numbered {00, 01, 02 49}, then the 7. probability that the sum of the digits on the selected tickets is 8, given that the product of these digits is zero is

a)
$$\frac{14}{50}$$

b)
$$\frac{1}{50}$$

c)
$$\frac{1}{14}$$

d)
$$\frac{1}{10}$$

Three critics review a book. For the three critics, the odds in favour of the book are 8. (5:2), (4:3) and (3:4) respectively. Then probability that the majority is in favour of the book is

a)
$$\frac{209}{343}$$

b)
$$\frac{149}{343}$$

c)
$$\frac{185}{343}$$

d)
$$\frac{129}{343}$$

\	I set as be -		1 79.76 1		
9.	Ture and to an	lex cube root of	unity with $\omega \neq 1$ A f		MHT.CET
St	man a man	e the numbers	obtained on the d	air die is thre	these times. If
1	$\omega_1 + \omega_2 + \omega_3 \ge 0$	in	on the d	le, then the	probability that
	$0 \frac{1}{5}$. 2	c) c) g c) g c) g c) g c) g c) f c c c c c c c c c		, mat
***	(D) Alims	b) o			
10. 1	$\Gamma(AOB) = 0.7, P$	$(A \cap B) = 0.2$. The	c) 9	d)	1
ea,	1.1	b) 0.6	n P(A1) + P(B1) is		36)
			c) 1.8	d) 1	
		IM	HT-CET 2021]		
11. To	ro dice are roller	d simultan	online shift) y. The probability th		
on	the dice is a pri	me number :	y. The probability th	at the	
a)	5	E .	,	at the sum of	t the two numbers
	11	D)	my.		
12. Two	unbiased dice	are three	c) / 12 en the probability th	d)	7
of 1	0 will appear is	The	en the probability th	21 == :41	11
	1			at neither a c	doublet nor a tota
1	12	b)	2		
13. A co	in is tossed and	36	c) $\frac{2}{9}$	d) 7	7
a nu	mber greater it	a die is thrown	The probability of	و (۵	9
2	moei greater th	an 4 or both is	c) $\frac{2}{9}$ i. The probability th	at the outcor	me will be head o
a) -		,			
3		$\frac{6}{6}$	c) $\frac{1}{}$, 1	I
14. For tw	70 erronte A	5	′ 2	a) 3	3
22. 2011	o events A and	$B, P(AUB) = \frac{3}{2}$	$P(A) = \frac{1}{P(B)}$	2	
	A Description of the Control of the	h	' \-'-' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. Then A ar	d D
a) ind	ependent		6/-(5)	3	iu b are
a) ind c) mu	ependent tually exclusiv		c) $\frac{1}{2}$ $P(A) = \frac{1}{6}, P(B) = \frac{2}{6}$ b) mutually	exhaustive	id b are
c) mu	tually exclusiv	e	b) mutually	exhaustive	
c) mu 15. First ba	tually exclusiv	e ed and Ell 1	d) compleme	exhaustive entary	
c) mu 15. First ba	tually exclusiv	e ed and Ell 1	d) compleme	exhaustive entary	
c) mu 15. First ba	tually exclusiv	e ed and Ell 1	d) compleme	exhaustive entary	
c) mu 15. First ba balls. A is black	tually exclusives ag contains 3 reals ball is drawn in is	e ed and 5 black from each bag.	d) compleme balls and second b The probability that	exhaustive entary	
c) mu 15. First ba balls. A is black	tually exclusives ag contains 3 reals ball is drawn in is	e ed and 5 black from each bag.	d) compleme balls and second b The probability that	exhaustive entary ag contains at one ball is	6 red and 4 blac red and the oth
15. First balls. A is black a) $\frac{41}{80}$	tually exclusive ag contains 3 reals ball is drawn is is	e ed and 5 black from each bag. b) $\frac{21}{40}$	d) complement balls and second be the probability that c)	exhaustive entary ag contains at one ball is	6 red and 4 black red and the other
15. First balls. A is black a) $\frac{41}{80}$	tually exclusive ag contains 3 reals ball is drawn is is	e ed and 5 black from each bag. b) $\frac{21}{40}$	d) complement balls and second be the probability that c)	exhaustive entary ag contains at one ball is	6 red and 4 black red and the oth
15. First balls. A is black a) $\frac{41}{80}$	tually exclusive ag contains 3 reals ball is drawn is is	e ed and 5 black from each bag. b) $\frac{21}{40}$	d) compleme balls and second b The probability that	exhaustive entary ag contains at one ball is	6 red and 4 black red and the oth
15. First balls. A is black a) $\frac{41}{80}$	tually exclusive ag contains 3 re labell is drawn is is in is tossed 4 ti < 3] =	e ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra	d) complement of the probability that $c) \frac{3}{20}$ and om variable which is the probability that $c) \frac{3}{20}$	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates	6 red and 4 black red and the others.
15. First balls. A is black a) $\frac{41}{80}$	tually exclusive ag contains 3 re labell is drawn is is in is tossed 4 ti < 3] =	e ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra	d) complement of the probability that $c) \frac{3}{20}$ and om variable which is the probability that $c) \frac{3}{20}$	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates	6 red and 4 black red and the others.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$	tually exclusive ag contains 3 real ball is drawn is is in is tossed 4 ti < 3] =	e ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra $\frac{1}{16}$	d) complement of the probability that c) $\frac{3}{20}$ and om variable while c) $\frac{12}{16}$	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates	6 red and 4 black red and the others.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in	tually exclusive ag contains 3 reads to ball is drawn is is in is tossed 4 ti	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra 1 $\frac{1}{16}$	d) complement of the probability that $\frac{3}{20}$ and $\frac{3}{20}$ and $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates	6 red and 4 black red and the other of head
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The strict of the s	tually exclusive ag contains 3 re ball is drawn is is line is tossed 4 ti < 3] = be a hotel are nute he first guest	e ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra c) $\frac{1}{16}$ mbered from 1 to arrive is a	d) complement balls and second by The probability that c) $\frac{3}{20}$ and the probability while c) $\frac{12}{16}$ to 19. Rooms are given a recent of the probability of the probability that complements are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ are sele	exhaustive entary ag contains at one ball is ch indicates d) $\frac{3}{8}$ allocated at	6 red and 4 black red and the oth 3 grandom as gue
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The strict of the s	tually exclusive ag contains 3 re ball is drawn is is line is tossed 4 ti < 3] = be a hotel are nute he first guest	e ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a ra c) $\frac{1}{16}$ mbered from 1 to arrive is a	d) complement balls and second by The probability that c) $\frac{3}{20}$ and the probability while c) $\frac{12}{16}$ to 19. Rooms are given a recent of the probability of the probability that complements are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ and $\frac{12}{16}$ are selected as $\frac{12}{16}$ are sele	exhaustive entary ag contains at one ball is ch indicates d) $\frac{3}{8}$ allocated at	6 red and 4 blasted and the other sed and the ot
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probability	tually exclusive ag contains 3 re half is drawn is is line is tossed 4 ti < 3] = be a hotel are nutle first guest y that the second	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a rapped in the contract of x is a rapped from 1 to arrive is a condition of x is a rapped guest to arrive and x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive in x is a rapped guest to a rapped guest	d) complement balls and second by The probability that c) $\frac{3}{20}$ and more variable while to 19. Rooms are given a room wherive is given a room where the complement of th	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates d) $\frac{1}{1}$ allocated at ich is a prim which is	6 red and 4 blace red and the other of head
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probability	tually exclusive ag contains 3 re half is drawn is is line is tossed 4 ti < 3] = be a hotel are nutle first guest y that the second	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a rapped in the contract of x is a rapped from 1 to arrive is a condition of x is a rapped guest to arrive and x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive is a condition of x is a rapped guest to arrive in x is a rapped guest to a rapped guest	d) complement balls and second by The probability that c) $\frac{3}{20}$ and more variable while to 19. Rooms are given a room wherive is given a room where the complement of th	exhaustive entary ag contains at one ball is d) $\frac{3}{8}$ ch indicates d) $\frac{1}{1}$ allocated at ich is a prim which is	6 red and 4 blace red and the other of head
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probabiliting $\frac{8}{19} \times \frac{7}{18}$	tually exclusive ag contains 3 re ball is drawn is is is in is tossed 4 ti < 3] = b a hotel are nu he first guest y that the second	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a random from 1 to arrive is good guest to arrive $\frac{8}{19}$	d) complement of the probability that c) $\frac{3}{20}$ and the probability that c) $\frac{3}{16}$ and the probability while the probability that c) $\frac{12}{16}$ and the probability that c) $\frac{12}{16}$ and the probability that c) $\frac{12}{16}$ are given a room where is given a room where is given a room c) $\frac{8}{19} \times \frac{7}{19}$	exhaustive entary ag contains at one ball is d) a sch indicates dich is a prim which is a d)	6 red and 4 black red and the other of heads and the other of heads and the other of heads are random as guestime number. The prime number of heads a prime number of heads are random as guestime number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probabiliting $\frac{8}{19} \times \frac{7}{18}$	tually exclusive ag contains 3 re ball is drawn is is is in is tossed 4 ti < 3] = b a hotel are nu he first guest y that the second	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a random from 1 to arrive is good guest to arrive $\frac{8}{19}$	d) complement of the probability that c) $\frac{3}{20}$ and the probability that c) $\frac{3}{16}$ and the probability while the probability that c) $\frac{12}{16}$ and the probability that c) $\frac{12}{16}$ and the probability that c) $\frac{12}{16}$ are given a room where is given a room where is given a room c) $\frac{8}{19} \times \frac{7}{19}$	exhaustive entary ag contains at one ball is d) a sch indicates dich is a prim which is a d)	6 red and 4 black red and the other of heads and the other of heads and the other of heads are number of heads are number. The prime number of heads are number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probabilities $\frac{8}{19} \times \frac{7}{18}$ A man is keep and the second seco	tually exclusive ag contains 3 resident age on the first guest y that the second and to speal to the first guest by that the speal to speal to speal to the first guest by that the speal to speal to speal to the first guest by that the speal to speal to the first guest by that the speal to speal to the first guest by that the speal to speal to the first guest by the first guest gues	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a random from 1 to arrive is good guest to arrive $\frac{8}{19}$ k truth 3 out o	d) complement balls and second by The probability that c) $\frac{3}{20}$ and materials are given a room where is given a room of $\frac{8}{19} \times \frac{7}{19}$ of 4 times. He throws	exhaustive entary lag contains at one ball is d) 3/8 ch indicates d) 1/1 allocated at ich is a prim which is a	6 red and 4 black red and the other of heads and the other of heads and the other of heads are number of heads are number. The prime number of heads are number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probabilities $\frac{8}{19} \times \frac{7}{18}$ A man is keep and the second control of the sec	tually exclusive ag contains 3 re ball is drawn is is is in is tossed 4 ti < 3] = b a hotel are nu he first guest y that the second	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a random from 1 to arrive is good guest to arrive $\frac{8}{19}$ k truth 3 out o	d) complement balls and second by The probability that c) $\frac{3}{20}$ and materials are given a room where is given a room of $\frac{8}{19} \times \frac{7}{19}$ of 4 times. He throws	exhaustive entary lag contains at one ball is d) 3/8 ch indicates d) 1/1 allocated at ich is a prim which is a	6 red and 4 black red and the other of heads and the other of heads and the other of heads are random as guestime number. The prime number of heads a prime number of heads are random as guestime number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then P[x a) $\frac{10}{16}$ 17. Rooms in arrive. The probabilit a) $\frac{8}{19} \times \frac{7}{18}$ 18. A man is k 6. Then the	tually exclusive ag contains 3 relabel is drawn is ball is drawn is is in is tossed 4 ti < 3] = b a hotel are nutle first guest y that the second b) nown to speal a probability to	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a rand $\frac{1}{16}$ mbered from 1 to arrive is good guest to ar $\frac{8}{19}$ k truth 3 out of that it is actual.	d) complement balls and second by The probability that c) $\frac{3}{20}$ and materials are given a room where is given a room of $\frac{8}{19} \times \frac{7}{19}$ of 4 times. He throws	exhaustive entary lag contains at one ball is d) 3/8 ch indicates d) 1/1 allocated at ich is a prim which is a	6 red and 4 black red and the other of heads and the other of heads and the other of heads are number of heads are number. The prime number of heads are number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then P[x a) $\frac{10}{16}$ 17. Rooms in arrive. The probabilit a) $\frac{8}{19} \times \frac{7}{18}$ 3. A man is k 6. Then the	tually exclusive ag contains 3 relabel is drawn is ball is drawn is is in is tossed 4 ti < 3] = b a hotel are nutle first guest y that the second b) nown to speal a probability to	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a rand $\frac{1}{16}$ mbered from 1 to arrive is good guest to ar $\frac{8}{19}$ k truth 3 out of that it is actual.	d) complement of the probability that c) $\frac{3}{20}$ and the probability that c) $\frac{3}{20}$ and the probability which could be a single probability of the probability that c) $\frac{12}{16}$ and the probability that c) $\frac{12}{16}$ and the probability of the probab	exhaustive entary lag contains at one ball is d) 3/8 ch indicates d) 1/1 allocated at ich is a prim which is a	6 red and 4 black red and the others. The random as guestime number. The prime number of the random as guestime number.
15. First balls. A is black a) $\frac{41}{80}$ 16. A fair co then $P[x]$ a) $\frac{10}{16}$ 17. Rooms in arrive. The probabilities $\frac{8}{19} \times \frac{7}{18}$ A man is keep and the second seco	tually exclusive ag contains 3 resident age on the first guest y that the second and to speal to the first guest by that the speal to speal to speal to the first guest by that the speal to speal to speal to the first guest by that the speal to speal to the first guest by that the speal to speal to the first guest by that the speal to speal to the first guest by the first guest gues	ed and 5 black from each bag. b) $\frac{21}{40}$ mes. If x is a rand $\frac{1}{16}$ mbered from 1 to arrive is good guest to ar $\frac{8}{19}$ k truth 3 out of that it is actual.	d) complement balls and second by The probability that c) $\frac{3}{20}$ and materials are given a room where is given a room of $\frac{8}{19} \times \frac{7}{19}$ of 4 times. He throws	exhaustive entary lag contains at one ball is d) 3/8 ch indicates d) 1/1 allocated at ich is a prim which is a	6 red and 4 black red and the other seed and the ot

Probability

A PARTY OF THE PAR

Probability		57	MHT-CET
28. If a fair coin	is tossed 8 times, then t	he probability that it	MHT-CE I shows heads more than tails i
a) 256	b) 97 256	95	93
	256	c) 256	Also
29. The letters of	ts start with		
18	ts start with vowels an	id end with consona	nts is
a) 91	b) 91	9) .	
30. Suppose that		4	d) ¹ / ₉
selected rand	lom. If there are ogust	of women have gra	y hair. A gray haired person
that the pers	on selected being a ma	number of males and	y hair. A gray haired person I females, then the probabil
11	1	11 15	
a) 21	b) $\frac{1}{21}$	c) $\frac{20}{21}$	d) $\frac{10}{21}$
	[MH	IT-CET 20191	
31. A bag contain	ns 6 white and 4 bla	ack balls T. 1 11	s are drawn at random.
probability th	at they are of the sam	ne colour is	s are drawn at random.
a) $\frac{1}{7}$, 7	1	
a) 7	b) $\frac{7}{15}$	c) $\frac{1}{15}$	d) $\frac{3}{7}$
32. The probabilit	y that three cards dra	wn from a pack of	52 cards, are all red is
a) $\frac{1}{17}$. 2	3	N.≱⊕
a) 17	b) 17	c) $\frac{3}{17}$	d) $\frac{4}{17}$
1 T(D(A) - 1 D(2	3	17
33. If $P(A) = \frac{1}{4}$, $P($	$B) = \frac{2}{5} \text{ and } P(A \cap B) =$	$\overline{20}$, then $P(A^1 \cap B^1)$) =
a) $\frac{17}{20}$			
a) 20	b) $\frac{13}{20}$	c) $\frac{1}{2}$	d) $\frac{1}{3}$
34. Five persons a	re chosen at random	from a group con-	taining 4 men, 2 women a
children. The c	hance that exactly tw	o of them will be	children is
10	1	1	9
a) $\frac{10}{21}$	b) $\frac{1}{10}$	c) $\frac{1}{21}$	d) 💍
	wo events defined in	2 comple on a C	21
$P(A \cap B) = \frac{1}{4}$	$P(A \cup B) = \frac{5}{8}, P(B^1)$	then P(A) =	
			*
a) $\frac{13}{24}$	b) $\frac{9}{24}$	2) 17	d) $\frac{15}{24}$
24		— 1	$\frac{a}{24}$
	[MH	T-CET 2018]	
6. Letters in the w	ord HULULULU are	e rearranged. The	probability of all three I
together is			
2	2	2	-
a) $\frac{3}{20}$	b) =	c) $\frac{3}{28}$	d) = -
20	45-44-45-45-45-45-45-45-45-45-45-45-45-4		. 23
#		T-CET 2023]	(a) (a)
 Let N denote th 	e sum of the num	bers obtained wh	nen two dice are rolled
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N N 1		-1 N
probability that 2	$\frac{n}{n}$ < N! is $\frac{n}{n}$, wher	e m and n are cop	rime, then $4m - 3n =$
a) 6	b) 8	c) 10	d) 12
, -			

E	Cherry		THE STATE OF					100		Was a second
ET the	probability			S	9]					
.16	Three	critics revi	ew a book.	For three	111	-				T-CET
	48. Inrec	4:3 respec	ctively. The	probability	that	the ode the me	l in favour o jority is in f	f the l	book are	e 2 : 5, 3 : book is
h	a) $\frac{13}{34}$	4 3	b) 149	3	c)	185	gorny is in i	1400 1400	200	D008 13
1	40 A. B.	C are three	events, on	to ref such to t				b 34		
			: 6 and odd	s against B	are 7	and o	nly one can e odds agair	happ	en. The	e odds in
	a) 3:	7	b) 7:3	3	c)	4:6	c odds agair	1) 6:	4	
				IMHT-C	ET 20	24]		150		
!	50. The let vowels	ters of the v are togeth	vord 'EQU er is	ATION' are	arrar	nged in	a row. The	proba	ability t	hat all the
	a) $\frac{3}{14}$		b) $\frac{1}{14}$		c)	1		15	5	
5		nouses are	~ ~	n a localita	r Th	56		56	5	F 1
J	upp-j -	or one hous or the same	oc withtout	consulting	other	ree pe rs. The	rsons apply probability	tor that	the hot	uses. Each ee persons
	a) $\frac{1}{9}$		b) $\frac{2}{9}$		c)	7	*	d) 8		
52	,	ice are roll	ed then th	o probabili	,	9	6.19	9		.1
32	Taces 15	atteast 7, 18	E .	3.0		1	sum of the			the uppe
	a) $\frac{5}{}$		$\frac{5}{}$			4		. 1	L	
	36		18		. c)	11		a) = 3	3	
53.	cara is	ds are dra	24,0807				chance that		*0	is diamon
	a) $\frac{997}{1700}$			7.						2
54.	If A and I	3 are two e	vents suc	h that the	prob	ability	that exact	y on	e of the	em occurs
							n the proba			
	occur toge	ether is								
	a) 0.01		0.5					d)		
							ue and 2 ar that the th			
i	a) $\frac{2}{7}$		b) $\frac{1}{7}$		c)	$\frac{3}{14}$		d)	$\frac{1}{14}$	6
	f A and B a = k , then k =		lependent	events su	ch th	at P(A') = 0.75, 1	P (A	U B) =	0.65 and I
a	$\frac{5}{14}$		b) $\frac{9}{14}$	e e	c)	$\frac{7}{15}$		d)	$\frac{8}{15}$	
		are two in	ndepende	nt events	sucł	that	P(A) =	$\frac{3}{10}$ a	ind P	$(B) = \frac{2}{5},$
P	$(A' \cup B) =$							ř.,		
a)	7 25		b) $\frac{7}{50}$		c)	41 50		d)	41 125	