Assignment 8 - Probability

1.Two cards are drawn at random from a pack of cards. The probability that both are queens or diamonds is:
a.20/221
b.15/221
c.13/221
d.14/221
Answer: b.15/221
2.From a bag containing 6 pink and 8 orange balls, 8 balls are drawn at random. The probability that 5 of them are pink and the rest are orange is
Answer: c.17/143
3. From a box containing a dozen bulbs, of which exactly one half are good, and four bulbs are chosen at random to fit into the four bulb holders in a room. The probability that the room gets lighted is
Answer: d. 32/33
4.If 10 letters are to be placed in 10 addressed envelopes, then what is the probability that at least one letter is placed in wrong addressed envelope? a.1/10! b.1/9! c.1- (1/10!) d.9/10
Answer: c. 1-(1/10!)
5.I select three numbers randomly from 1 to 10. What is the probability that their product is an odd number? a.1/12
b.1/2
c.3/4
d.11/12
Answer: d.11/12

same size in th		•	red, 2 white and 3 blue s splay. What is the proba	
a.1/105	b.1/35	c.4/105	d.1/15	
	Answer: c. 4/105			
	oranges, 2 pink, 4 yello 2 orange towels randon	_	n a carton. What is the p	robability
a.1/7	b.2/15	c.2/7	d.6/15	
	Answer: a. 1/7			
_	_		re drawn one after the otl "red" while the second o	
a.18/145	b.35/134	c.16/65	d.17/29	
	Answer: b.16/65			
	drawn at random from e card (Jack, Queen and		at is the probability that	the card
A.3/13	B.1/13	C.3/52	D.9/52	
	Answer: A.3/13			
-	wrong answer 1 mark i		correct answer 4 marks amber of questions wrong	_
A.45	B.47	C.57	D.40	
	Answer: B.47			
	obability of selecting 2 nen, 2 woman and 4 chi	-	sons are choosen at rand	om from
A. 1/5	B.1/6	C.1/7	D.1/9	
	Answer: D.1/9			
	e probability that it is ei auffled standard pack of		mond card, when a card	is drawn
A.1	B.3/4	C.1/2	D.1/3	

Answer: C.1/2

13.In a single throw with 2 dices, what is probability of neither getting an even number on one and nor a multiple of 3 on other?

A.11/36

B.25/36

C.5/6

D.1/6

Answer: D. 1/6

14.Let K and L be events on the same sample space, with P(K) = 0.8 and P(B) = 0.6. Are these two events being disjoint?

A. True

B.False

Answer: B. false

15. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 4 or 15?

A.6/19

B.3/10

C.7/10

D.6/17

Answer: B. 3/10