PROBABILITY : PROBAB	SILITY AND STATS	
	_	
EVENTS		
<b>√</b>	7	
Mutually Exclusive	NOT nutrally !	Exclusive
. Both events cannot		
happen at the same time	د /	
· · ·		
P(AnB) = 0	Independent	Non-independent
	· The organization	<ul> <li>The occurrence of A affects the</li> </ul>
	A does not affect the occurrence of B	
	attect the occurrence;	occurrence of
	of B	B
A B		
	P(AnB)=P(A) × P(B)	
	+	
	<del></del>	
Tools:		
(WIS :		
1. Tree diagrams		
2, C		
*Amo		
Z R T E	AOB = 1	
1. Tree diagrams		
2. Venn diagram		
9		
·P(AUB) ·P(ANB') ·P(	A'n B')	
·P(AnB) ·P(A'nB)		
3. PnC		
<u> </u>		
Common tornulae		
$P(A \cup B) = P(A) + P(B) - P(A)$	+0B)	1
P(AUB) = P(A) + P(B) - in a	are of nutually exclusiv	re events.

P(A') = 1 - P(A)

P(A U B) = 1 - P(A' N B') P(A U B) = P(A N B') + P(B)
LCH O B) = LCH (1 B ) + LCB)
Conditional Probability
If A and B are any two events of a sample S and the probability of B \$ 0, then the conditional probability of A given that B has occurred
is
P(AIB) = P(A O B)
P(B)
If they are independent events, the conditional probability does not hold.
In that case, P(A B) = P(A)
in that cove, right) = right
Allempting probability questions:
, 8, 1, 1,