	CS-513		Com
and the second second	HNOI-Probability	Poorvi	Rautt
and the second		CWIP:	20009560
	11	A Company of the Comp	11 -71
	Jerry & Busan have a joint book and		and the second s
	Terry & susan have a joint bank account to the bank 201. of the days, guan a	. Тетту	9081
	days. Together they are at the	as shere s	Oy. of the
(a)	to the bank 201. of the days, susan go days. Together they are at the bank 8. Susan was at the bank last Monday, who that Jeory was there too 2	1 of the	days
	that Jeory was there too?	r's the p	obability
	2004 com There 100 1		parts.
>	Goin. Propability of the	rough de agrecia de la prophiest de la prophiest de la communicación de la companya de la companya de la compa	
	is also there at the house:	e bank w	en Busan
	M INC DWIFT.		
	PC Jerry Busan) - 1C Jerry A.	Busan)	
	f (BUSAY	1)	
The same of the sa			
	$=$ $\frac{8}{20}$ $=$ 20	3.661.	fus
70	loop Con		
b)	last Forday, Susan was'nt at the bank, what	's the foots	bility
+	TIMES LEAVE LOUR MIDWO Y		
1	2 1 1 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Splan
7	3011: Probability of Jerry going to the	bank when	-
-	p nor there		
-	PC Jerry (Busan) = PC Jer	ry A Gusar)')
-		Susan')	48.00
1 2	P(Busan)') = 1 - 10003		A STREET OF STREET, ST
le:	1-0.3.		01
	PCJN 3	The second secon	The same of the sa
	f(9')		No. of Contrast of
		= 17.14	The state of the s
v-		1111	

Ir) last wednesday at loast one of them was at the
	that well a willing that north of them were
	bank what is the probability that both of them were
	There?
	Soll : Probability that both Jerry & Sosan
	and a series of the work or over the bank,
Section of Section of the Section of	either one of mem was present at the bank
	((Jeory Busan) = ((Jerry NBUSAN)
	(Jerry U Susan)
The second second second	PC 50 0 0 0 0 1
	M Jerry M Susam = 8%
	(Jerry Ususan) = PCJerry) + PCGUSAN)-
	P(Jerry n Susan)
	= 20 + 30 - 8
	= 42
	-: PCJETOP BUSAN) = 8 = 19.04 1 And
16	A COLOR BENEFIT OF THE RESERVE OF THE PARTY
	1.2 HOMEwork
	Harold and Sharon are studying for a test.
	thank d'a change of notice lost
	Harold's chances of getting a 'B' are 80%. Sharon's chances
	of gening a B' are 90%.
· ·	The Probability of at least one of them getting
	a is is 91%.
(a)	What is M.
	solution: Instability that only Handled gers a 18'9
	Bolistion: Instability that only Hanold gers a B'? Planty Hanold) = Plyanold gers a B'
	P(only Hample) = P(Hample) - P(Hample A Bhample) = 80 - 79
	- Manid A shamp
100	
	\$17. Ans

	Page No.:
	Date: YOUVX
	in consulity that only alcome
	what is the frobability that only sharpn gets a B'?
	3 501P: P(sharon getting B) = P(sharon) - P(Harold A sharon)
	90-79 + 11-7. [Ams
	#11-7. Aus
	是基度的联系。 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	1. 15. 15. 15. 15. 15. 15. 15. 15. 15. 1
10	conat is the probability that both wont get an 'B'?
	3011 :- (((Harrid A Sharon)) = 100 - (Harrid A aharr)
	(31) :- (((Harold A Sharon)) = 100 - P (Harold A Bharon)
-	(00)
	= 21% Ams.
	The state of the s
	Homework
	Jerry & Busan have a joint bank account. Jerry goes to the
	bank 20 1. Of the days sucan and have
W.	Together they are at the bank of the days
	THE WIND WITH A THE MAN AND THE
	Are the evento "Terry is at the bank" and "Busan is at the
- 1, 30 - 1; sv:	bank" independent?
7	901 ¹¹ !-
	BOTH Jerry & Busan are at the house
	together.
34	
	If the events were going to be independent the individual
-	1000 1000 and 10 and 10 almiared
-	Then product would be primitar but, 20 × 30 = 60%.
-	
17	: Hence the events are not independent
	The corns were multiplicated the corns were much independent
10.00	

	The state of the s
	ma emphility of finding oil 9
	what is the found
01	wind is the probability of finding oil ?
and the second	A STATE OF THE PART AND A STAT
	And that state. Inding oil in a state & probability of
	10N
	(Notal)
	FOT TX P(OIL TX) * P(TX) = 30% * 60% = 18%
	FOT AK 2011 - 2011 & 3011 = 6-14 611
	POTAK PCAK) = 207. \$ 301. = 67.
	FOR NJ
	PCOILINJ) # P(NJ) = 107, * 10% = 1 7.
	Charles the second of the seco
	: Probability of finding oil = 181-+61.+11.= 25%
	AW -> Probability of finding oil = 25%
	AM -> [30000019 of fraing on
	11. 1 A
02	The company decided to drill be found oil. what is the probabili
Ta.A.E.	that they drilled in TX?
12.8.07.6.	
-	sol! : Propapility of drilling in TX & finding oil
	P(X n L) = P(X n L) = 18
	$\frac{P(TX Oil) = P(TX Oil)}{P(Oil)} = \frac{18}{25} \rightarrow \text{ found in } PT \text{ sol}$
	= 727. AM
(V_a	
-1.	

	1.6 Homework
	Answering Questions based on Titanic survivor provided day
Φ1.	A SECTION OF THE PROPERTY OF T
	Survive 9
	9011: 8CNOt survived) = 1490 - 673 [= 62.08-1.] 1 7 2201 - 885
	Not sorvived - Crew (Total) Not sorvived
	Total - Total (crew)
	what is the propositive that the passenger was staying in the first class? Soln: PC First class) = PCTotal 184).
	soln: PC First class) = PCTotal 184).
	$50l^n$: $P(First class) = P(Total 194)$. $P(Total) - P(Corew)$ $= 325 = 325$
	soln: PC First class) = PC(Total 184). PC(Total) - PCCrew)
23 Give	$50l^{n}$: $l(first class) = l(10tal 19)$. $l(10tal 19)$.
O3 Give	Sol ⁿ : $P(First class) = P(Total 194)$. $P(Total 194)$.
O3 Give	Soll! $P(First class) = P(Total 194)$. $P(Total 194)$.
O3 Give	$50l^{n}$: $l(first class) = l(10tal 19)$. $l(10tal 19)$.

	Date: YouvX
	are survival to staying in the first class
99	Are severival & staying in the first class independent?
	soln: If probability of staying in First class and avoiling are equally by being mutually exclusive then are independent
->	sol the house mutually a Prost class and are
	are equally by being marking exclusive they are
	maejendent
1	(GUTUING) = 100 - PC NOT SOTULING)
	= 100 - 62 . 08
	= 37.927
	24.69 * 37.92 = 9.367.
	Handial and stantage
Au	s->. I survial and staying in First class are not independent
	- Marchena en
05	that the passenger survived, conat is the provability
95	that the or construction of conar is the provability
	Just go www studing in the First cian
	& the passinger was a chird ?
	soln: PC survived, staying in first class and is a child)
	- 6 (1.2 x)
-	$=\frac{6}{4994(711-212)}$
	1 (19/411-212)
DG	Given that the presences assessed the
1	Given that the passenger arrelived what is the pobability
11	at the preserver was an about?
	(lassenger attite and Adult) = 442 = 188.57-1.
	ar the puserger was an adult? (Cassenger attit and Adult) = 442 = 88.577
	(654-212)
Ť.	20-1 2(2)
7 G	iven that a passenger survived, are age & staying in first class
11	adepend on to
17	ndependent?
-	P(age passenger survived) = $P(A B) * P(C S)$ $\frac{442 + 57}{499} = 1$
	442 157 51
	1,99 499
	-

		Page No.: Date:
	Echamonger ourvived & staying in 1st class) = 40,88%.	
	: page & staying in 1st class) = 40.68%.	
)	Isince Probability of age & first class are then Events have independent	equal
	- X - X - X	
		See and the
+		