	Prime Merit Page No Date
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No to the All	Here, we have lim An = U An
-	1/2/
	The Servence An is said to lemonotons
	The Sequence An is said to lemonotone non-increasing (or contracting) if An Z Angl HN>1
_	Mon-100 suggery (or 1000 as a gray
	Hu = Anot!
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E-	Asylotes
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#	Cim An = 1 An
	WIN TIN - TIN
	(3)17 7
-	Theorem (continuity theorem):-
	Let JAn? le a monotone seguence of
	Let {An} be a monotone sequence of events defined on a prob space (a,A,P). Then f(im An) = iim P(An)
-	Thomas Plim A. ) - im P(A.)
#	11/201/1/1/2

conditional Probability Zet Ble an event 3 n(B) >0 where n(B) is the nos of outcomes favourable to B. Here our Objective it to find the probability of our hence of an event given the condition that I has already oxcured. Since B has already ourted it is known that one of the n(B) ontromes mast have occurred and the other orthones in the sample space of se myst not have realised. In this situation for findingster probability of A one should engiste h(B) as the total number of gossible outcomes The total number of outcomb in 2. Again, since B has already occurred if A has to occa, et must our with B. Hence in this situation the outromes basourable to A will be those which are paso-hable tob as well in other world in this case the number of outcomes favourable to A will be n (ANB) Thus, the conditional probability of the

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Market Control of the State of	$= \frac{1}{3} \times 0.05 + \frac{1}{3} \times 0.1 + \frac{1}{3} \times 0.07$	
and the second second second second second	0.22	
	= 0.22	
	Now it is known that the item	8
	defective. Hence the prol has been produced by the machine is	41 4 4
	has been produced by to	les a
	machineis	midual
	$\rho(A)$ $\rho(\alpha_{10})$	1 (1)
	$P(A_2 B) = \frac{1}{3} O(1) O(1)$	Name 3
	$P(A_2 B) = \frac{P(A_2) \cdot P(B A_2)}{\sum_{i=1}^{3} P(A_i) P(B A_i)}$	779
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		which
	Notesale.co.	
2)	Show that will a glothal le	LNRiol
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50/2	- Let Ble an event such that	P(B) SO. The
5012	Let Ble an event such that conditional probe of an event	P(B) SO. The A given
5012	"- Zet ble an event such that conditional prob of an event 1 that blay already our whed	P(B) SO. The A given
5012	Let Ble an event such that conditional probe of an event	P(B) SO. The A given
50/2	Tet Ble an event such that conditional prob of an event that that blay already our whed at $P(A B) = P(B)$	P(B) SO. The A given is defined
50/2	Zet Ble an event such that conditional prob of an event 1 that blos already occurred at $F(AB) = F(AB)$ (i) To show that for any event	P(B) SO. The A given is defined
50/2	Tet Ble an event such that conditional prob of an event that that blay already our whed at $P(A B) = P(B)$	P(B) SO. The A given is defined
50/2	Zet Ble an event such that conditional prob of an event 1 that blos already occurred at $F(AB) = F(AB)$ (i) To show that for any event	P(B) SO. The A given is defined

