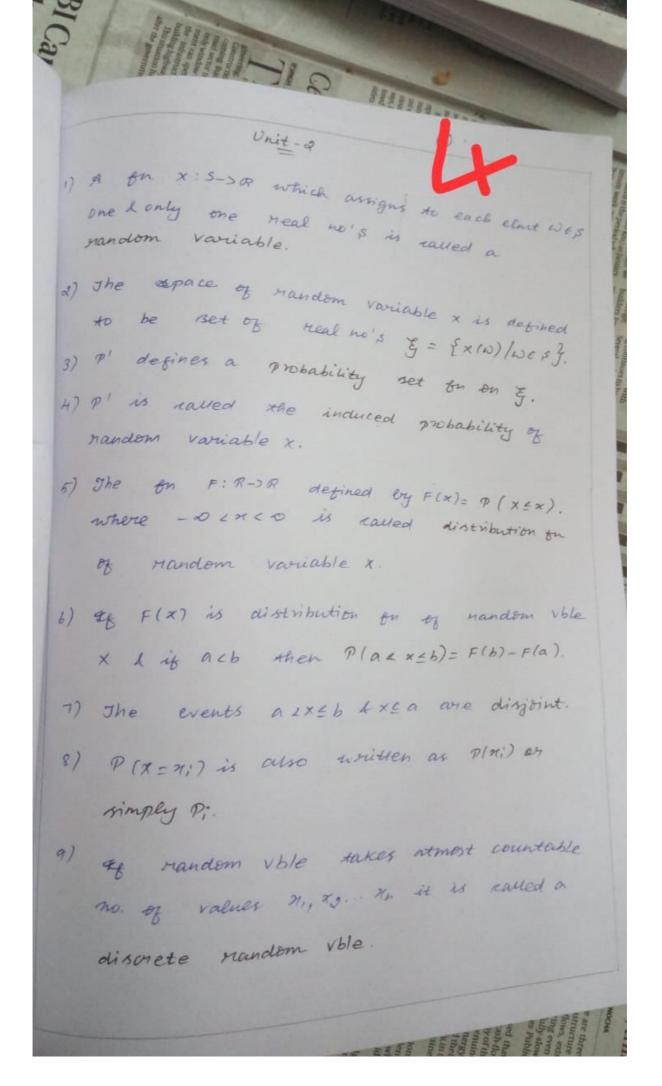


Storesting only with a store of the store of (4) o) A = £1,3,53 is the event of getting an odd number. 1) B= {2,4,63 is the event of getting an even number. 2) F, B, c are raved complement events. 3) 8/N is rawed the relative brequency of the event A. 4) C1: P(A) = 0 For all AS & 5) (2: P(5) = 1 6) (3: 26 fAn 3 is any finite (er) infinite seq of disjoint events then p(VA;) = = P(Ai). P is raused the Probability set function. The number P(A) is caused the Probability of the event A. P(A) = No. of cases for swrable to A. Total no of cases The AINAJ = 4 x is with it's then seq of outsets is said to be mutually disjoint. It is a said to be exhaustive.

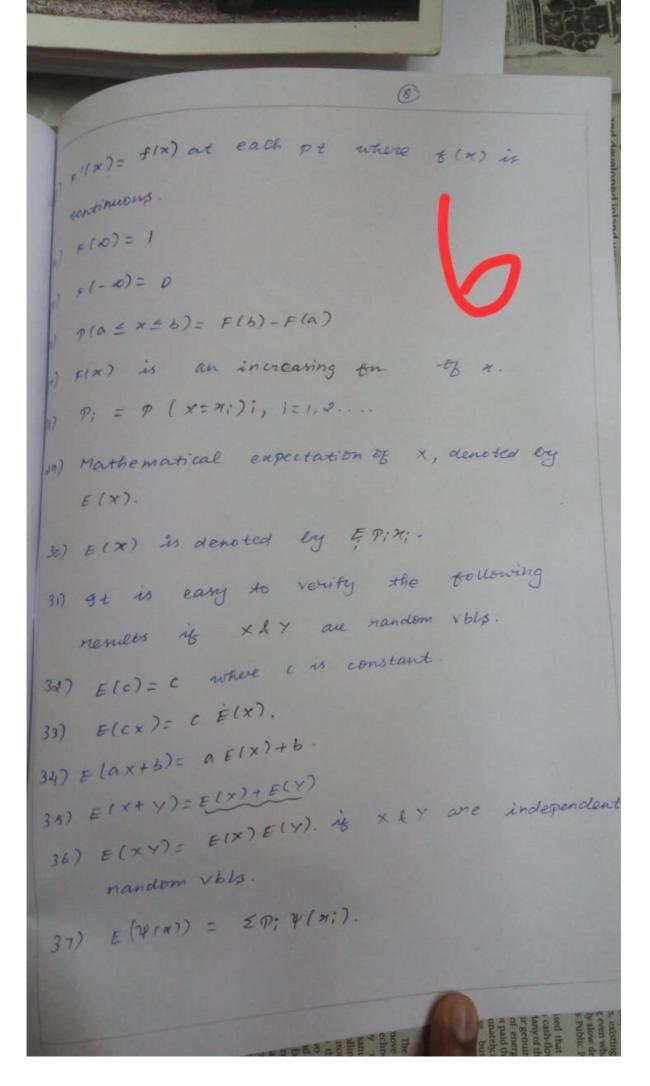
22) It seq of events A, A2...Ah is mutually disjoint + exhaustive, then P (U An) = EP(An)=1. 23) P (A/B) = P(AOB)
P(B) 24) P(A/B) = 0 25) P(A/A)=1 26) PIA, UA, U... /B) = P(A, /B) + P (A2/B) + ... - Provide A, Az. are mutually disjoint events. P(AOB) = P(B) P(A/B) is raked multiplication 27) thren for probabilities. as) A is independent of Big P(A/B) = P(A). It A & B are & independent events, 29) then PlANB)= P(A) P(B) of set of events A, Az. An are said to 30) be paisurise independent if plaina;) = PlaiDPlai 31) The events A, 92. An are independent if P (A, NA2 0 -. NAL) = P(A) P(A2) -. . P(AN). 32) paisurise independent of a events of independence of n events. 3) It A & B are independent events then Al B are also independent events.



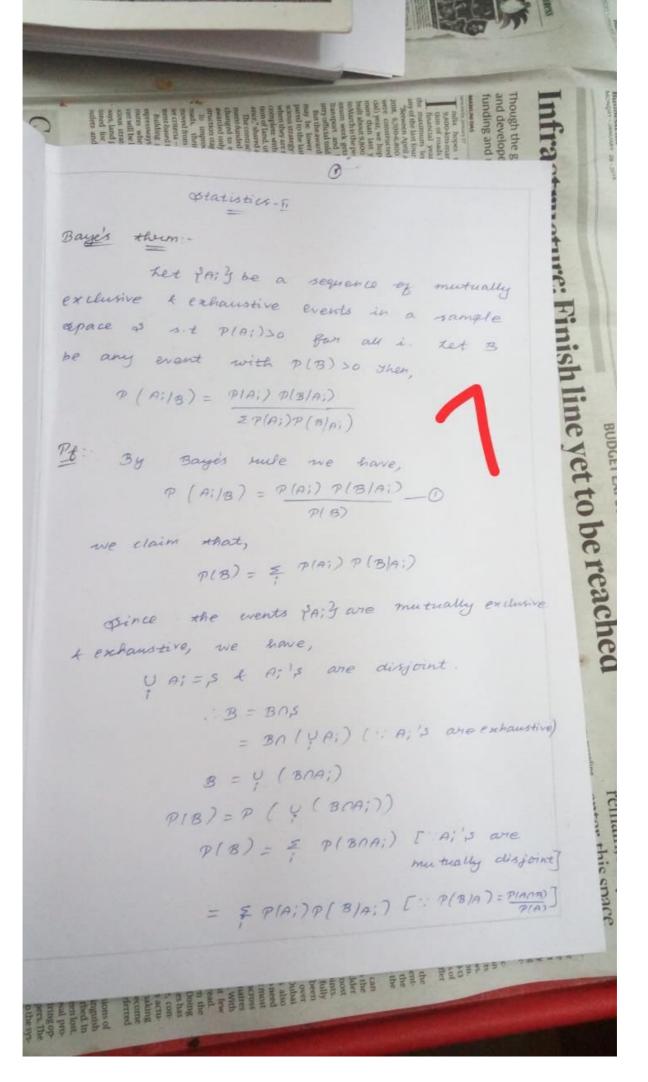
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0
1) Any subset a of $ , P(n) = 2 P(oi.).
1) P(x=#;) = f(m;)= p;
(3) F(x) = = Di - = +(x;)
(4) & is cared probability density on of discrete
 nandom vble.
(1) of mandom vblo x is said to be continuous
  nandom vble if it can take any value in an
internal which may be finite a infinite.
16) P(A) = $ f(x). dx.
M) PIA) is also written as P(A)=P(A< XCb)
11) A = Eag.
A) P(A)= j +1 a) dn = 0
W) X is routinuous Handom Vble, probability
of every set nowisting of single of is
  zero. .
(1) F(x)= 5 +(t) dt.
  FIX) is racked distribution on of continuous
   handom variable x
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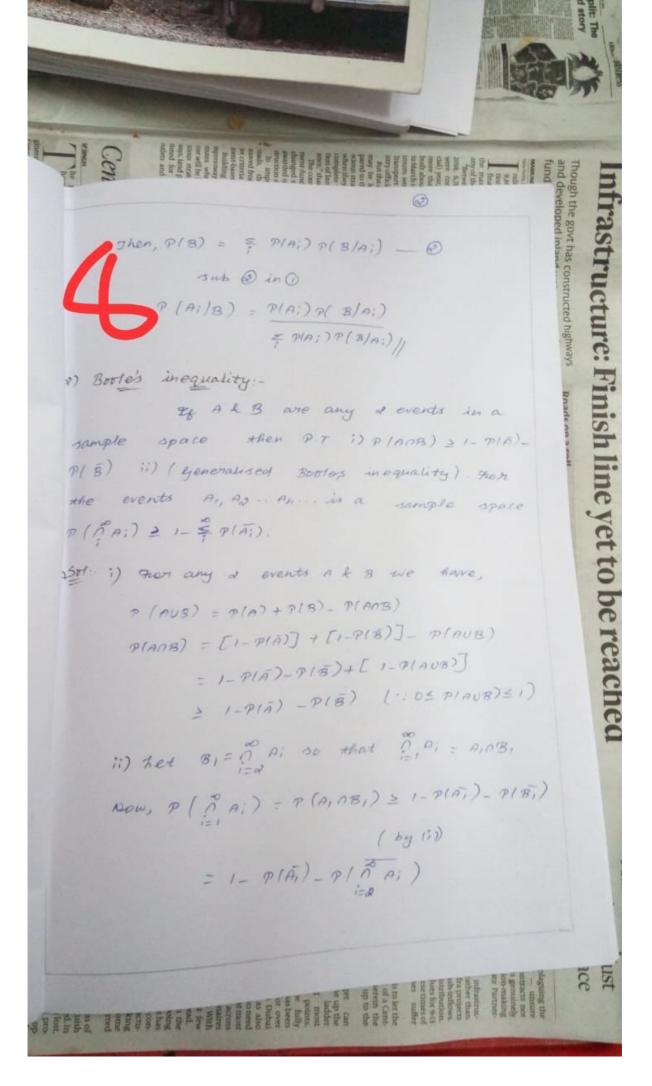
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