MORKSHEET NOS 1 (PROBABILITY) (11thclass)

ON1 1 S= { T, (H,1) (H,3), (H,r), (H,2,1) (H,2,2), (H,2,3) (H,214) (H,215), (H,216), (H,4,1) (H,4,2) (H,4,3) (H,4,4) (H,415) (H,416), (H,611), (H,612), (H,6,3) (H,614) (H,6,5) (H,66)

(1,2,3,7,5,6) Dire

(2,4,6) even ddd

\$1,3,5

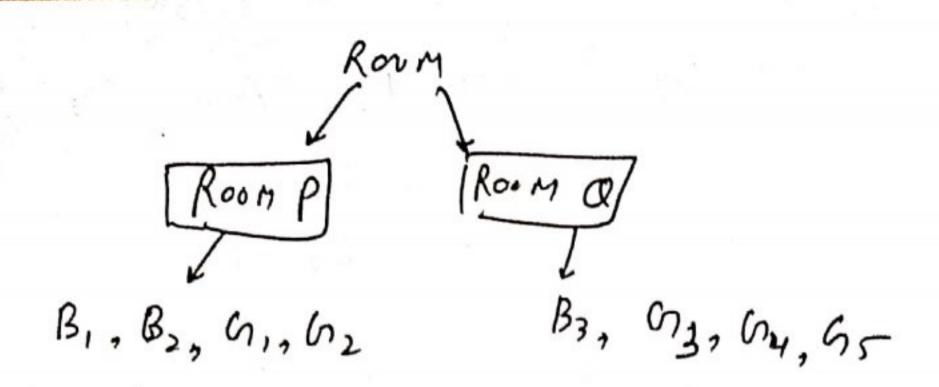
dice
(1,2,3,7,5,6)

(S, HH), (S, HT), (S, TH), (S, TT), (6, H), (6, H), (6, H), (1, HH), (1, HH), (1, HH), (1, TH), (1, TT), (3, HH), (3, HT), (3, TH), (5, HH), (5, TH), (5, TT),

(217,6) eun odd (1,3,5)
(Coin)
(H,T)

2 (cin) (HH, HT, TH, FT)

On3+ 5={ PB1, PB2, PG1, PG2, OB3, OG3, OG4, OG54



(2) $S = \{0,1,2\}$ $\{-: u \text{ an interested in number of beysy}$ they can be no boy, 1 boy or 2 boysy

 $O^{M} \stackrel{6}{=} \stackrel{+}{\downarrow} A = \text{Sum is turn} \quad \text{i.e.} \quad 2,4,6,8,10,12}$ $A = \left\{ (1,1), (1,3), (3,1), (2,12), (1,15), (5,1), (2,14), (4,12), (3,13), (2,16), (6,14), (5,15), (6,16), (6,16), (6,12), (6,12), (6,12), (6,13), (6,16), (6,14), (6,$

~ C = Sum is the less than y C={ (1,1), (1,2), (2,1)} D= Sum a may than 11 Fe 12 D= { (6,6)} ANB= { (1,5), (5,1) (2,4), (4,2), (3,3), (6,6)} + ¢ Bnc = { (1,2), (2,1)} + ¢ COD= 1 7=¢ Anc= {(1,1)} + p Ano= 1 (6,6) 4 + ¢ Bn0= { (6,6)} = 4 .. C & D an muhally trelum tunts ON: 7 + S={HHH, HHT, THH, THT, TTH, TTH, HTH, HTTY Islu A > gelling all head B - gelty all tour A= LHHHY & B= LTTTY Cleary ANB= of i- Muhally exclusing

(2) w A -> gelly at most fair B-> gelly 2 tails gelly 3 towns A= {THH, HITH, HHTH, HHHY B= { TTH, THT, HTTY

C= {TTTY

Clean HABOC=4

and AUBUC = S

-: A, B, Care muhiculy exclume & exhaustre eunts. Any

(3) Same examples as in (i) part

AUB = S

But ADB= \$\phi\$

but not exhausting. And

But not exhausting.

OMIS + A leap year has 366 days
52 weeks and 2 Mars from days
then 2 days can be

S= { (Sun, Mon), (Mon, Tuey), (Tuu, md), (wid, Thu), (Thu, F-110), (F10), (Sut, Sun)}

(i) he A - 7 geller 53 stenduy

A = { (Sun, Mon), (sut, Sun)}

P(A) = 2/7 Any

(ii) Let $A \rightarrow gelly 53$ sunday 253 mondays $A = \{ (sun, Mon) \}$ $P(A) = 1/7 \quad Am$