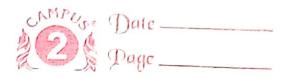


	in how toled c
0	In this question, we have to the
0	In this question, we have total 5 comples out of which [3+,2-]
	1202 (1) 40 Py (S) = - PO log. PO - PO log. PO
	2 /20 3 - 2 /20 2 - 0.97
	Dow, Entropy (8) = - POlog. PD - POlog. PO 8 log. 3 - 2 log. 2 = 0.97 5 5 5 5
	3 0 3
	C C 1 2 22 need to find
	Now for find gain we need to find their entropy first.
	their entroly first.
	Enteroly (Augh) = - 1 log, 1 - 1 log, 1 = 1
	Enteropy (Augh) = -1 log, 1 - 1 log, 1 = 1
- 3	Enteroly (Average) = -2 log 2 - 1 log 1 - 0.09
	Enteropy (Anomal) = -2 log, 2 - 1 log, 1 = 0.09
	1) = 0 (0 1) - [ala 2 (0) - 7 [Sv] [ala 2 (0)
	NOW, Grain (S.A) = Enteropy (S) - Z ISI Enteropy (Sv)
	$=0.97-2\times1-3\times009=0.020$
	Gain (S, A) = 0.020
	[Gain (.S. A) = 0.020]
	Enterofy (Buot) = -1 log, 1 - 1 log, 1 - 1
	2 2 2 2
	Enteropy (Build) = -1 log 1 - 1 log 1 - 1
	2 2 2
	Entany (Rod) = 1 log. 1 - 0 log 0 - 0
	Jeg - O legy U = O
	0- (00) (10) (10)
-	Dow, Grain (S,B) = Enteropy (S) - Z ISI Enteropy (Sv)
	ve (mild (est not)
11	



=	0.97	- 2 ×	1 - 2 x	1 - 1	0 =	0.171	· ·
		S	5	5			