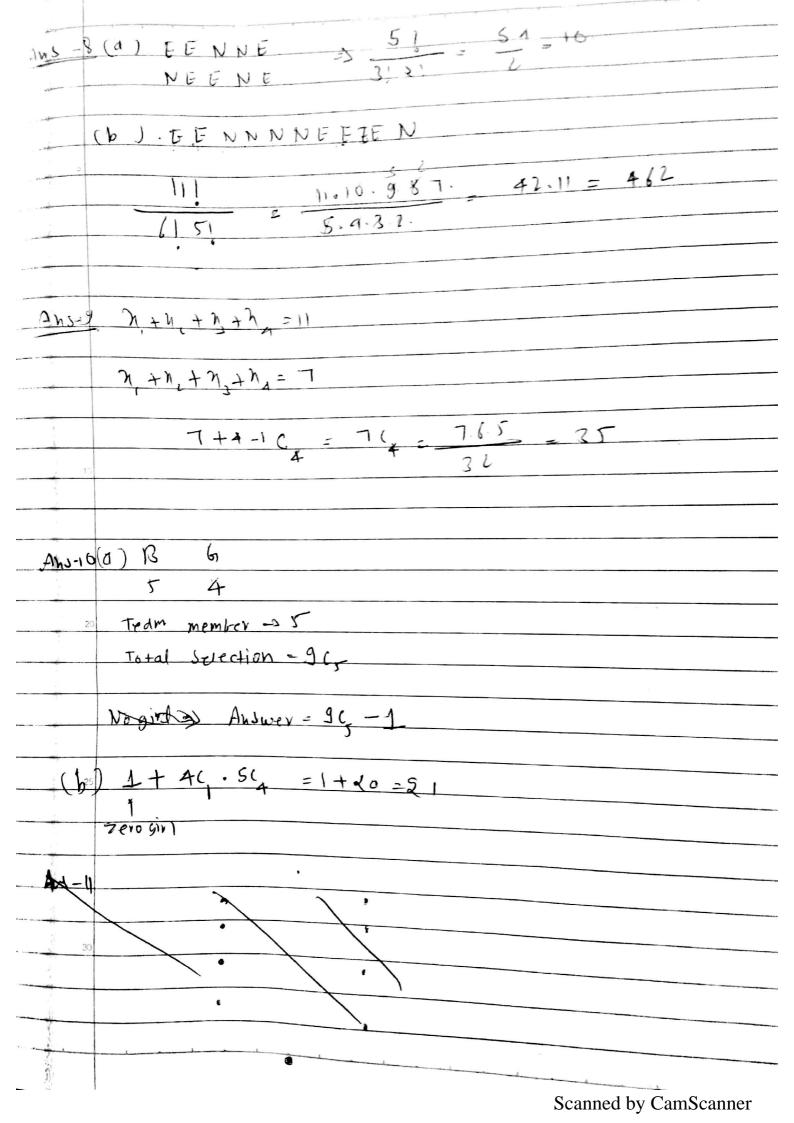
DMS - Assignment - 0 4 Harshit Inhunderwal (160 (50 76) Date 1 1	
4ns-1 R= S (a, h, (b, h), ((, a), ((, o))	
R= { (9,b), (b,b), (4,b), (4,c), (4,a) }	
R3 = { (a, b), (b, b), (4, 1), (4, 6), (4, a) }	
ALZ- R: A → B S: B → A	
$R_9S = A \rightarrow A$	
Ans-3 (a) & (4, a), (b, b), (4, c) }	
(b) { (9,9), (6,6), (6,1), (6,0), (6,6), (9,6) }	
(c) [19,07,16,b),((,1),(0,b))	
(d) 2 (a,b), (b,a), (u,a) 6	
(B) S (a, a), (b, b), (c, c), (c, a), (a, b) 6	
(3) S (a,b), (b,a) 4	
(9) 2 (a, c), (a, b) {	
$4u-a$ for antisymmetric $a_{ij} \neq a_{ji}$ 4 It $a_{ij} = a_{ji}$ \rightarrow (i= i)	
So It is antisymmetric.	

45(5)(a) True
(b) False (Not a tunction)
(C) True
(d) False
Ans-6 15 h. 6 15 47
Ans-6 to by country manually &T. Ans-7 (a) & MN
A B - t < R = 3 2 ≤ C
15 >1 >0
A + R+(=10) (oft of n' in (n+n2+
(of of n in (1+2+n3) (1+n+2) (1+1+)
(ou ob h' in 20-1 20-1 20-1 20-1
$ \mathcal{L} = \mathcal{L} $ $ \mathcal{L} = \mathcal{L} $ $ \mathcal{L} = \mathcal{L} $
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
a+b+c=6

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(11) IT 4

