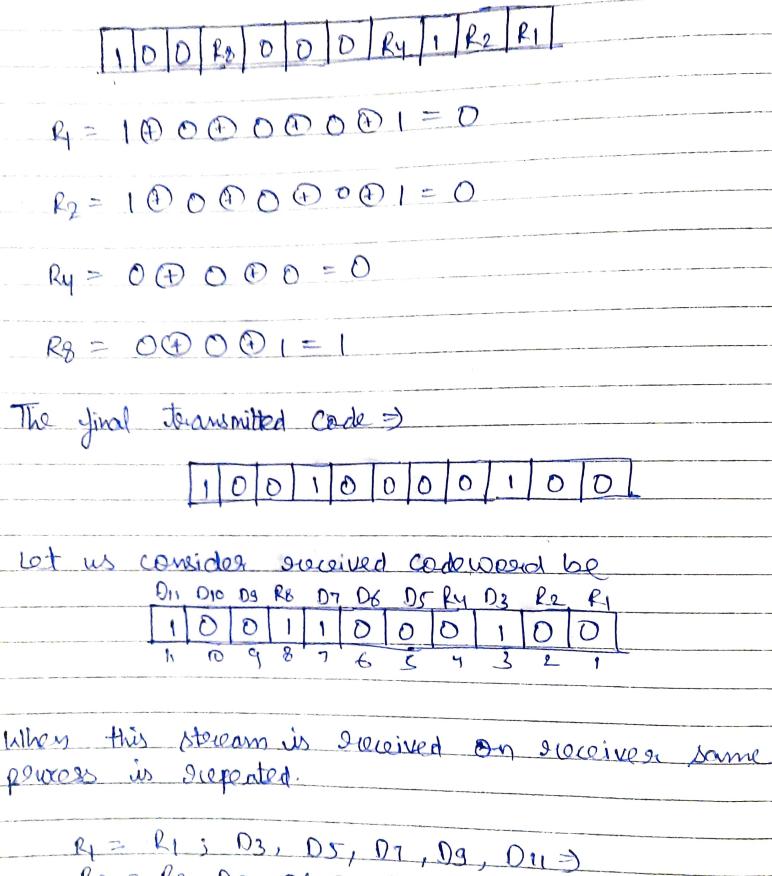
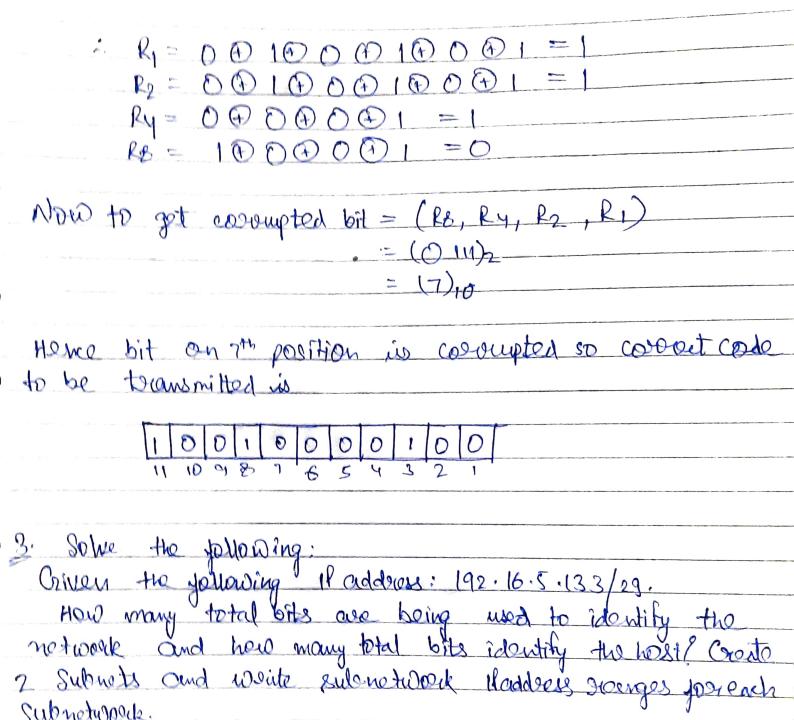
Name: Raghan Maheshwari
ROYNO: 53
Panel: A
Botch: A4
DCMCM - MA
Theory Assignment-1(CN)
of 1 Identify Jollowing functions and map it to one or more. Jayous of OSI model.
angles of Ost made
Ans To more at hit starring across chusical medium:
Ans 1. Topomeniccion of bit stocam across physical medium:
This function can be mapped to physical dayer of
OSI model.
2. Define trames
Dojiving of grame is a function which can be mapped
to data link layer as it is protocal data unit.
3. Esvor correction and retrummission.
I second de les an second un incoming grand
it requests under to retrainment the grame. This function
can be mayfed to layer 4 i.e. transport of OST Model
If succiver detects an eleval in incoming frame it suggests render to sutrammit the prame. This function can be marged to larger 4 i.e. teransport of OST model and Data link larger i.e. larger 2 of OST model.
Poliable brocess to brocess message delivery:
4. Reliable levoces to process mosage delivery: This junction can be mapped to transport model.
- Inc. June

P2 Demonstrate working of Everor Control priotocof (using Harming Code) at Sender Side DLL and Receiver Side DLL chile teamsmission of bit stocom "1000001" (Jose Esonor Corocction Intentionally Consider Roceived Code world for some [with single bit esonor]). No. of dotabits = m=7 Input dota = 1000001 The value of 21 must satisfy following Irelation 2° ≥ m+8+1 ... NO. of redeendand bit will be 4 as 16=24 ≥ 7+4+1=12 The torumnitted older will be: n=7+4=11 data bits d d d 88 d d d 84 d 82 81 11 109 8 7 6 5 4 3 2 1 Here precity bit R1, R2, R4 & R8 are redundant bits
R1 = d3, d5, d7, d9, du R2 is suspensible for 3 ds, d6, d7, d10, d11

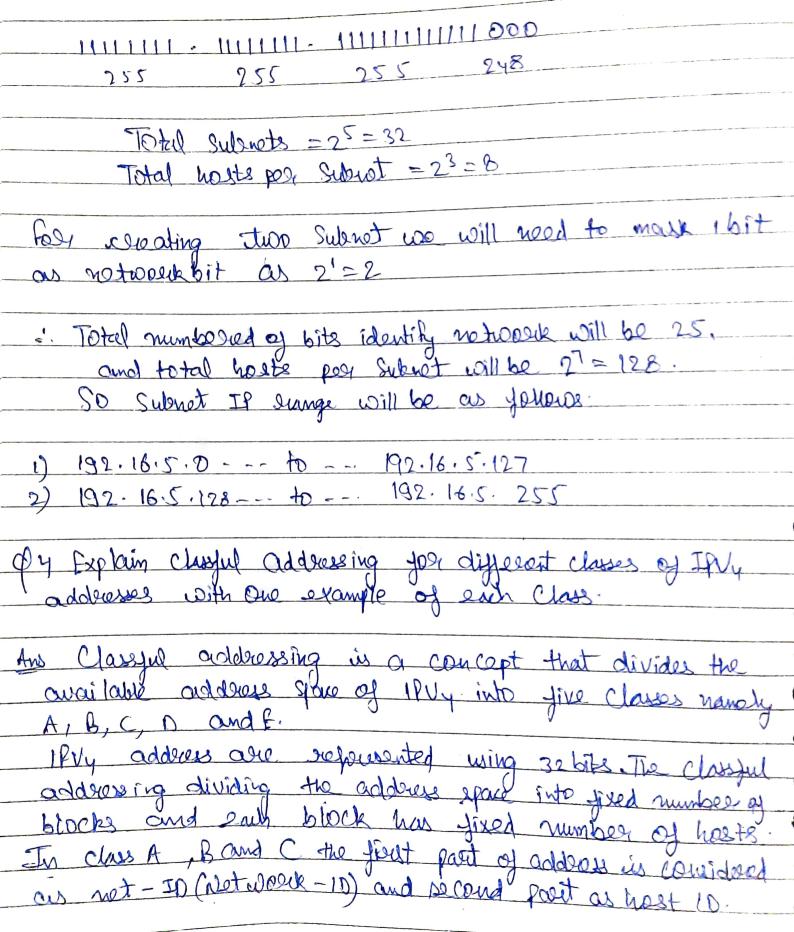
3 Altornate 2 bit including x2 itself Ry = dr, do, d7 (Alternate 4 bits including Ry) R8 = dg, d10, d11 (Alternate & bits including R8) The value of seedundant bit will be decided by even parity



 $R_2 = R_2, 0_3, 0_6, 0_7, 0_{10}, 0_{11}$ $R_4 = R_4, 0_5, 0_6, 0_7$ $R_8 = R_8, 0_3, 0_{10}, 0_{11}$



And there is in given in address (29 notation indicates that the leptimest 28 bits of 32 bit quantity define subnot address So, 29 bits are being used to identify notwork. The total bits identify hosts for subnot one those.



took Clared: Usually ousigned to notwoods with loogenumber of hosts. The network 10 bits one 8 bits long. HOST 1D is 24 bit 10 mg. set to D. Remaining 7 bits one used to determine notions its Default publict mark you class A is 255. Class A has total (27-2) = 126 usuable notices LDS and 224-2 = 16 777214 host 103. Class B that strongs your medium to the network ID is of first octet is 10. SO 14 bits determine notwood TD. 10 Notwood Most -> Class B Class (Network 10 is 24 bits long and host ID is 8 bits long. Those are 221 - 20971520 metabook addresses while 28-2 = 254 hosts addresses are present per notional. 1 1 0 Netwood Most = Class C

Class D.

If addresses are preserved for multicasting. The higher Decides bits of first octet of IP address belonging to class I

000 set to 1110. IP address stornege John 224-0.0.0 - 239-255-255 HOST Class D= Class E Il addresses are reselved jos experimental and research Class F 2400923 July 240.0.0.0 - 255.255-254 cooper frogose.