

KARACHI INSTITUTE OF ECONOMICS & TECHNOLOGY

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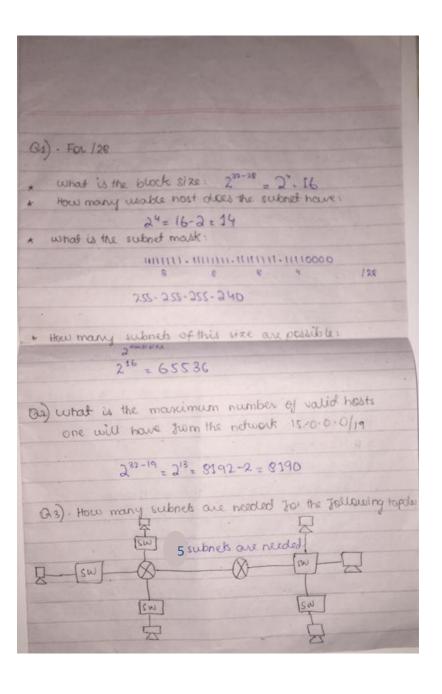
CLASS ID: 103388

STUDENT ID: 63027

ASSIGNMENT: 01

SUBJECT: Internet & Intranet Architecture

SUBMITTED TO: MISS HIRA BEENISH



Qu) what is the markimum number of valid subnets one will have from the network 172.26.92.172 255.255.252.0. Assume this is a class B address 132.26.92.132 252.352.35.0 8 8 6 = 22 172.26-92-172/22 232-22 200 = 1024 1024 = 3 = 341 subnets 11/12.24.046.01 is the network address of this IP: 10.246.145.151/11 10-246-145-151/4 1111111-11100000-0-0 0.0.466.228 11111111 - 111101110 - 145 - 0 (111) 111 1100000 · 0 · 0 (AND) 1111111.11100000 . D . O 10 . 224 . 0 . 0 Newark Address

G6) what is the valid host on the network that 172.22.19.137/19 is a part of?

> 172.22.00010011.10001001 255. 255.11100000.00000000 1080 Subject mark

OP Adoless

172 - 22 - 11110011 - 136 172 - 22 - 243.136

Q7) What is the net work you the subnet 255-255-255-1287

netmask = no g network bits 255 255 255. 128 8 8 8 1 = 25

(a.b). What is the just valid host on the network that 10-92-110-106 255-240.0.0 is a part of

10-01011100-110-106

255 - 11110000 . 0 . 0 (AND)

10 -01010000 . 0.0

10 . 80.0.0 Network Address

10. 80.0.1 Fust valid host

(39) what is the broodcast addiness of block this 19 4172.16160.151/18" 172.16.160.151/18 255-255-192.0 160 = 10100000 192 - 11000000 172.16.10100000-151 255 - 255 - 11000000 - 0 (08) 11100000 172 . 16. 224 . 151/18 Broadcast address O10) For 1000 Host subnet the following network 172-00-0/16 172.0.0.0/16 - Network Address 210 = 1024 - 2: 1022 172.0.0.1 - First SP 172.0.0.255 172.0.1.0 172.0.1-255 172.0.2.0 172.0.2.255 172.0.3.0 172.6.3.255 -122.04.0 -> Broadcast Address 255 255.0.0 + subnel mask