Kazi Hayetm Hossain

Am. to the quest mo- 1 (A)

Hene,

ip address = 150.60.130.0/24

Hosts needed,

Sermen Farm = 100 Hosts

Administration = 10 Hosts

College of business = 20 Hosts

college of educations 25 Hosts.

Total Stosts needed = 100+10+20+25 +8 = 163

Submet Mmk = 255. 255. 255. 0

= 1111111. 11111111. 11111111. 00000000

@ Subnets = 28 = 25 6

For server Farmy

ip 2 150-60.130.0/25

Host 2 0, -128

Total Host = 126

Kazi Nayeem Itossain

For College of excetion,

ip= 150.60.130.0/27

Hosts 0, 32, 64, 96, 128, 160, 192, 224

Total Host = 30

Host for this section = 129 - 227

For lalege of business,

ip = 150. 60.130.0/27

Host= 0,32,64,96,128,160,1012,224

Total Host 2 30

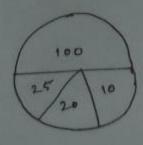
Hosa for this sections 129-224

For Administrator

ip = 150. 60.130.0/28

Host = 0, 16, 32, 48, 64, 86, 96, 112, 128, 144, 160, 176, 192, 208, 224, 248

Total Host = 14 1454 for this section = 225 - 248



total moreon person

Am to the quest no -1(6)

there are 3 methods available those are-

- O Dunt Stack Poutery
- @ tunkelling
 - (5) NAT Protocol Translation.

Dual stack Pouters: A dual stake metwork is a network in which all of the modes one both 1944 & 1946 enabled. This is specially important at the nouter as the router is typically the first mode on a given network to necessary that it from outside of the metwork.

Tunnelling I Tunnelling is a middle point or a medium for transition. It is used to communicate the transit network from Irvy to 1906. & vise-versa.

tazi Najeem Hossain 191120005

don't understand each other as different ip addresses. This Protocol removes the render so that ip addresses look whike is they ear communicate as the same.

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Am. to the ques. no-2 (b)

greatile is a few port of a greatest of the first CIDE: classess inten-domnin norting is a set of internet protocol (IP) standards that is used to create unique identifiers for retworky and indivitual devices. The IP addresses allow panticular information packets to be sent to specific computers. Shortly after the introduction of CIDR, technicians found it difficult to track of label 1p addresses, so a netation system was developed to make the process more efficient and standardized. cipp ip address consists of two groups of numbers, which are also reflered to as groups of of bity.

Am. to the ques no - 4 (a)

Device A: 172.16.17.30/20

gronet: 255. 255. 240.0

Device B: 172 16.28.15/20

Subnet: 255. 255.240.0

These devices one in some submet.

Am. to the ques no - 4 (b)

Differences between from and tom one given below:

- D Tom stands for Time Division multiplexing & Form stands for Frequency Division multiplexing.
- @ Tom has low contrict & Form has high conflict.
 - 3 Tomis efficient & form is quiet inethisent
- @ Time is shared in TDM & FT Frequency is shared in FDM.