A/2 Jahrul Islam Avenue, Jahrul Islam City Aftabnagar, Dhaka-1212, Bangladesh

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Semester: Summer 2021 Examination: Mid 2 Date: 14-08-2021

Course Code: CSE405 Course Title: Computer Network Section: 01

Course Instructor: Dr. Anisur Rahman

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Marks Obtained

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	7
Total	

Signature of the Course Instructo	Signature o	f the Cour	se Instructo
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9th subnet

Answering to the question no-201

Given

57.156.223.185

which the IP of class A

Here, 7 bits are taken to create

submets

Network IP: 57.0.0.0

57

Network

Submet mark IIIIIII 0 00000000 00000000

Gh submet

O00110 1 1111111 (Broadast IP)

9th submet

O001001 0 00000000 00000001 (1# host)

0001001 11 111111 1 1111110 (Lost host)

Subnet Mast (CIDR Notation): 255.254.0.0/15

Broadcost address of 6th subnet: 57.13.255.255

^{(2) 1}st host of 9th submet: 57.18.0.1 Last host of 9th n: 57.19.255.254

Answering to the question no ->02

Given,

Network 1P; 150, 240,0.0

As Network part consume 16 bits, So, 26-16 = 10 bits are using for subnetting

a) Number of possible subnets = 210-2 = 1022

subnet

159 240 0000000 00000000

Net wont

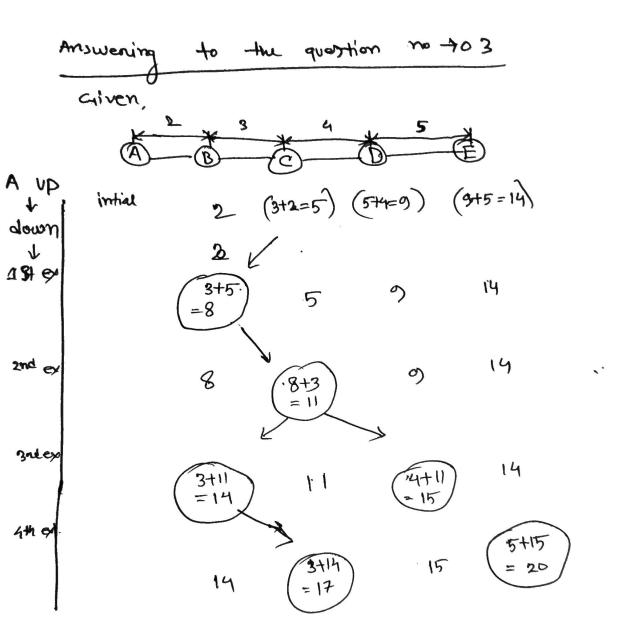
01 000000 19 submet 00000000

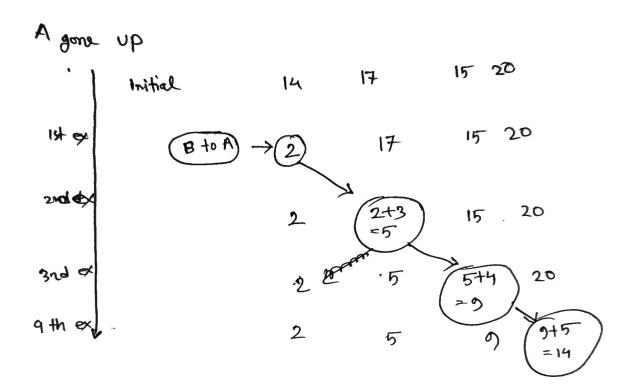
last subnet 1111111 10 000 000

7th Subnet 00000001 [111110 (Lost host)

1st subnet 1P: 150,240.0.69 Last subnet 19: 159.240.255.128

(2) East host IP of 7th subnet: 159.240.1.254





Answering	-10	the	question	n 40	→04	
		24				
Here,	We	wan	+ go	trom	J to	M
	5001	rel	Ja	med dus	tination	M
	neighbo	ours	A,I,A	, K a	nd N	
	From	Table	we	CON	write	
	J	٩ ١١2	mse c			
	づ.	I : 1	y ms	ec		

JH: 6 MS

JK : 18 ms

JN: 16 ms

so, we possible noute to dustination

JM ! JA + AM = 12+ 14 = 26 ms

JM : JI + IM = 14+6 = 20 ms

JM; JH+ HM = 6+2) = 27 ms

JM; Jk+ KM = 18+6 = 24 ms

JM: JN+NM = 16+12 = 28 ms

Here, we will follow the minimum distance

from J to M.

so, J will tollow J > I then I >> M

path to reach M

Answering to the question no > 05

Given,

main Routen's Notwork IP: 142.163. 178.254/22

- Notwork 1P: 142.463.0.0

summet

airon host IP 142.163.135.25

10001110 10100011 1000010 000000

.: Subnut IP of given host: 42.163.132.0

No of possible subnest in network: $2^{6}-2=69-2=62$ No of a host in subnet: $2^{10}-2=1029-2=$.