

	C Page CV		
and the second s	Name Abbay Gara		
	Reg. No.: 15 BCE 1030		
	Network & Communication		
	Assignment-1		
	TP addressing & Subnetting e	xe ruses	
	0	<u> </u>	
	1 aget 12 per see a contract		
	TA) 1. Given Ip : > 172.16.110.5		
	Mask: > 255.255.192.0		
	The Given Ip belongs to 'B' clay		
	192 3 11000000	1.12	
	hence a bits are used for	subnet	
	possible subnet = 22-4		
	00000000 = 172.16.0.0		
	0100000 = 172.16.64.	<u>D</u>	
98	1000000 = 172.16.128		
	11000000 = 172.16.138	.0	
	donder blanch by		
	For given IP address.		
	Subnet: > 172.16.64.0	1 2	
	first add. 172. [6. (4.)		
	last add.: 2 172.16.127.259	0	
	broad Caut : 5 172.16. 127.255	1	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	2. Given IP:> 172.168.100.25		
	Mark: 255.255.255.252		
	A CONTRACT LANGE AND ADDRESS OF THE PARTY OF		
	The given IP belongs to class	, C ,	
	the control of the co	Ĭ.	
	252 = 11111100		
	hence B bits are used for su	bret	

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possible subnet id's are: 26=64 00000000 - 192.168.100.0 00000100 - 192-168-100-4 00001000 7 192,168-100 8 000 11000 -> 192, 163, 100, 24 00011100 - 192.158.100.38 For given IP: Subnet id: 192.168.100.24 Link add - > 192. 168. 100.25 Last add. 15 192.163.10026 Broad cay : 3 132.168.150.27 3. Given TP. , 192-168. 100-66 37 24 bits 3 bits and for und for resid 2 Subnest : possible subniti au = 33=8 0000000 - 192.168,000 00100000 - 192-168-100-32 01000000 7 192-168-100-64 01100000 - 192-168-100-36 For given Ip-Subnet id: 192.168.100.64 lirt odd : 192 168 100 65 Part odd. : 192.168.100.94 broad cout add : 192.168.100.95



4.	Given Ip address: 10.73.0.0
	Mark : 255.252 .0.0
	To IP belong to class 'A'
2.41	Binary Value of 252 >> 11111100
	=) 8 bits are used low sub-not
	possible subness are: = = 64
	00000000 -> 10.0.0.0
	00000100 - 10.4.0.0
1,00	01001000 -> 10.72.0.0
700	
	For given IP3
	Subnet id > 10.72.0.0
	first add> 10.72.0.1
20	last add. → 10.75.255.254
	Broad cant add> 10.75.255.255
	The same of the sa
1	the state of the s
图.	Given Ip address: 172.16.22.22
1	Mask: 255.255. 132.0
	The IP belongs to clay 'B'
	192 => 19000000 => 2 bies are used for sign
	: possible au ma 2 = 4
200	00000000 > 172.16.0.0
	01000000 :-> 172.16.64.0
tal alian	10000000:0 172.16.158.0
	11000000 :> 172 16192.0
	and the same and t
	For given IPor Subnet Id: 172.16.64.0
	first add 172.16.64.1
	last add: 172.16.127.254
	Broad Cast -2 172.16.127.255



C-	Network id: 192.2 + 6.35.0	
	Mark . 255.255.255.0	
	we need to divide the network into	
95.	5 parts. Hence we will need 3 bits	
2 1	to get network's subnet id.	
	the terms of the state of the s	
	· possible subness are:	
let .	00000000 -> 192.246.35.0	
	00100000 -> 192.246.35.32	
	01000000 > 192.246.35.64	
	$01100000 \rightarrow 192.246.35.96$	
	10000000 192.246.35.128	
	10100000 - 192.246.35.160	
	110000000 192.246.35.192	
	111 00000 = 192.246.35.224	
	The state of the s	
	O > 3 bits are used for subnessing	
	@ 11 each subject support 30 hosts	
	- total host supported are = 30x8=240	
	3 suppet mark 18 255.255.255.224	
	(4) first subject id : 2 192.246.35.0	
i valet	(5) liket valid bost in first subnet => 192.246.35.1	
	@ last valid host in first subnet: 3 192,246.35.30	
	(7) Broad cast id of first sybnet = 192.246.35.31	
	(8) Laxt Subnet id := 192.246.35.224	
	(9) First valid host in last subnet: > 192.246.35.25	
	5 Lact valid bast in last subject = 192.246.35.254	
	Broadcast Id of last Subnet: > 192.246.35.255	
b- 1000	The state of the s	
	Will the second	
24.7		