Tu	OR	AI	F	
10	VII			

	UI9CSO12
31 \ 336 355 pE30 3	doed to perklo and off and
In classful address	sing, find the dase of following IP addresses
Class than 91	Start Address End Address
CLASS A	0.0.0.0
CLASS B	128.0.0.0
CLASS CHAIN	192.0.0.0 223. 255, 255, 255
CIASS D	224.0.0.0
CLASS E	240.0.0.0 255 255.255 255
	lid yd ed saet ei gar 80
	- CLASS D
The first bytes	is '238' (in Range 224.0.0.0 - 239.255.255.255
Therefore, Class	of IP Address [238.34.2.1] is Class D
0.000 0010 0010 1101 1000 1000	
	CLASS B (2)
	(129) (in Range 128.0.0.0 - 191.255.255.255
	of IP Address [129.14.6.8] is class B.
	sold any to techno tens and
	if last IP address of girch block is
	(16) -> the mask
	ddress
	resentation of given address
	00 10 0010 1111111 1111111
	34 255 255
	can be found by ANDing the given address
	k (/16 => 11111111 111111 0000 0000 0000 0000)
Andinh is done hit it	
Address: 0001 1001	by-bit Just gatte
Address: 0001 1001	0010 0010 1111 1111 1111
Address: 0001 1001 Mosk: 1111 1111	by-bit Just gatte

	D19CS012
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	Ans: The first address of Block - 25.34. 255.255 /16
ishertho 91	privated to = 1206 25.34. 000 parsonthe 12006 of 11
3.>	In classless addressing, if first IP address of given block is
	211. 17. 180.0 /24
	1) Binary representation of given address
(20, 721	1101 0011 0001 0001 1011 0100 0000 0000
725.725	1 The Last address can be found by aking the given addresses
220 . 185	with the complement of the mask.
	ORing is done bit by bit.
	(/24) [24 1's 8 0's]
	- Mask = 11111111 1111 1111 0000 0000
A seal	The first seed marker in the seed of the s
	3 Address - 1101 0011 0001 1011 0100 0000 0000
	Mask complement (0R) 0000 0000 0000 0000 0000 1111 1111
	1101 0010 1001 1010 1011 1111
0	One 1011 oddress of sine 1111 in 1011 17 100 . 255
701	Ans: Lost address of given block is 211. 17.180.255.
	SUMMARY, In 1944 addressing (xyzti/n)
	a.y.z.t = one of the addressey /n= the mask
	sandle again to match against an and all the
	1) The first address in block can be found by
	setting the rightmost 32-1 bits to '0'
Midne	as all and the first of the same that the same the same
Cutting of the	1 The last address in block can be found by
	Setting the nightmost 32-1 bits to "1"
	II III III III OLO AND INCLUDO SANDELLO
The second second	3 The number of addresses in the block can be found using
- Trician	2 32-1
vision	

	UI9 (SOI)
4.>	In classies addressing, if the IP address in given block is
	201.54.105.16 / 26
	Address: [100 100] 0011 0110 0110 1601 0001 0006
	A) Find the First address - [201.54.105.0]
	setting the nightmost 32-26 = 6 bits to 0
	1100 1001 0011 0110 0110 1001 00 000
	THOU TOOL OUT OTHE TOOL OF GO
	B) Find the Last address - [201.54.105.63]
*	College 44 23 hland 22 26 5 6 hills to "4"
	setting the rightmost 32-26=6 bits to 12
	1100 1001 0011 0110 0610 1001 00 11 1111
	C) Find the total addresses in the black = $2^{32-26} = 2^6 = 64$
	The number of oddress can also be found by
	Complementing the mask and interpreting it as decimal & add 1 to it
	t complement 00000000 0000 0000 0000 0000 0000 00
	7 1 to
	6-1
6	D) How many IP addresses con be actually used for assignment to various
	networking devices (eg. Laptop) & why?
	D) Total no. of usable IP addressey = 26-2
	= [62]
	First address is reserved for network id set.
	Last address is reserved for network broadcast id.
	SUBMITTED BY
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	UI9 CSO12
	CSE (3rd Yr)

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