Computer Networks No.
Assignment -1
MC308
Ans 1(1) we convert down the given address 1920.025
from dotted decimal notation to himasul notations
192.0.0.25
1100 0000
11000000 0000000 0000000 00011001
il & retwork
If I the last bytes is the trost-id.
192.0.0 -p network id
70057 10 -
clearly all the bits of host are neither on or all
: the given IP address is a Normal IP address.
(ii) 139.255-0.0
/ / / /
1000 1011 1111111 0000 0000 0000000
17. 18 a class & It address = D2 bytes for Network ias
2 bytes for hostid.
Network id = 1 192.0'
host id = 10.01
clearly since all bits of host is use zero. There it is
a Network address.

300 100	
min or a	
	Page No. :
(iii)	given IP address = 190.0.255.255
	10001100 00000000 11111111 1111111
	11/1/11/11/11/11/11/11/11/11/11/11/11/1
	tostid
	= 40 10 = 1258 nee!
	235
,	slearly all the bits of the host id are 1. Time the given IP address is broadcasting address given address = 197.10-5.0
	We could to Adams to Most of the Most of t
<i>C</i> : \	The given of address 18 broadcasting of
(vi)	given address = 197.10-5.0
(
	Classe - 11000101 00001010 00001010
	address (
	Nestwork 1d = 197.10,5 hostides
	Vleagh all hits at to a deline
	clearly all bits of IP address are o, the given
	It addsless is a network address
Anso	Ne need to perform a logical AND with the refult
	122 1020 1 to 1020 1020 1020 1020 1020 1020 1020 102
	Ne riled to perform a logical AND with the refult
	we first write observe from the IP address to
	ill writing the state of the st
,	ies within the sauge of 0.0.0.0 to 127. 2552 255
	it belongs to class A (i.e. Ibyte for Network id 23/65)
<i>\</i>	west id)
	s create a defacelt moisk que set rell bits of network !!
1	I and all host id too.
	- was in hest in 100.

		Default mask = 11111111 000000000000000000000000000
		May we perform logical AND operation.
		(65.100,200.250) & (255.0.00)
		800 0001 01100100 1100 1000 1111 1010
		& long d # 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	w \\	01000000 0000000 0000000 0000
		Nefwork id is 65.0.0.0
	Aus 3	To find network proadcast vaddress of 180.75.199
		180.75.99.101
	\. ·	10/10100 0/00/010 0/1000/1 01/00/01
1		Network id hest id 180075 99-101
		To find out the broadcast address we connect
	`	the all bits of host id to) Nort 10 = 1111/111 1111 111 255-257
<u>.</u>		6 80 0 d Cast ced dress = 180.75.255.255
	Aug 4.	no. of addresses in the girth $dak = 2^{3z-2\partial} = 2^{12}$ $= 4096$
		and default mast has 20 bits as I and rest as E

Page No.:___ Default mask = []]]]]]]]]]]]]]]]]]]]]]]]]]] the network address for the given address is IP.S default mask 1P = 6010/110, 00/11011, 100/11110, 101/001)

Peralt = 11111111, 11111111, 111110000, 0000 0000 bkey can be I wroken The network address is 96-59, 199.0 the last addres is 0010/110. 60/10/1-106/11/1. 11/1/11/1 96-59.159.255 · the range of the given block is from 46.59.149 of 46-39.159-255 (4096 addresses)