20181, CSE0621 Sail Sai Ran K 20181CSE0621 07 01 2021 9.2 No. 9 retworks = 10 Binary of 10 => (10) = 1010 : 4 bits are required. Given: 200.0.0.0

We infer 200 belongs to class C.

Default bits in C = 24 bits. Subnet mask: 1111111. 1111111. 11111111. 11110000 (1) - Host Bit => (32-28) = 4 bits. Max networks = 2" = 24 = 16 Max host ID = 2 -2 = 2 -2 = 14 : Obtained mask of subnet => 255.255.255.240 (11) To find Block singl: 200.0.0.11110000 Last Network bit value is 16. Hence Block sing = 16. (111) Proceeding to calculate First Host IP. Broadcast address. Network address.

20181CS E0621

Date Page

Address	Network		Network 3
		2	
Network	200.0.0.0	200.0.0.16	200.0.0.32
First Most address	200.0.0.1	200.0.0.17	200.0.0.33
0			

(3) Broadast 200.0.0.15 200.0.0.31 200.0.0.47 Address