

Networking Training Program 2025

Name: Aswath S

University: VIT Vellore

Reg.No: 21BEC2188

Question-6:

NAME: S. ASWATH
REG.NO: 21BEC2188
UNIVERSITY: VIT VELLORE
Module-5 - Networking Training Program

Question-6
given three IP 10.1.1.1, 172.16.5.10, 192.168.1.5
Identity, class, default Subnet mask, range of IPs

Solution

① 10.1.1.1
Class - A - 10.0.0.0 to 127.255.255.255
Default Subnet Mask = 255.0.0.0 / 8
IP range = 10.0.0.0 - 10.255.255.255
Network Address: 10.0.0.0
Usable Address: 10.0.0.1 - 10.255.255.254
Broadcast Address - 10.255.255.255.

② 172.16.5.10
Class - B - 128.0.0.0 (to) 191.255.255.255
Default Subnet Mask: 255.255.0.0 / 16
IP range = 172.16.0.0 to 172.16.255.255
Network Address: 172.16.0.0
Usable Address: 172.16.0.1 (to) 172.16.255.254
Broadcast Address: 172.16.255.255.

③ 192.168.1.5

Class - C - 192.0.0.0 (to) 223.255.255.255

~~Ip range~~
~~Net~~

Default Subnet: 255.255.255.0/24

Ip range: 192.168.1.0 (to) 192.168.1.255

Network Address: 192.168.1.0

Usable Address: 192.168.1.1 (to) 192.168.1.254

Broadcast Address: 192.168.1.255