**United College of Engineering and Research, Prayagraj**

**Department of Computer Science and Engineering**

**Computer Network (KCS-603)**

**Assignment-3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Q. No.** | **Question** | **CO** | **Bloom’s level** |
|  | Perform the subneting of the following IP address 160.11.X.X. Original Subnet mask 255.255.0.0 and number of subnet is 6. | CO3 | L3 |
|  | Given an IP address 180.25.21.172 and the subnet mask255.255.192.0, what is the subnet address? | CO3 | L2 |
|  | What is count-to-infinity problem? | CO3 | L2 |
|  | Define routing. In what way it is different from switching? | CO3 | L2 |
|  | What is IP addressing? How it is classified? How is subnet addressing is performed? | CO3 | L2 |
|  | Find the class of each address  a) 140.213.10.80  b) 52.15.150.11 | CO3 | L2 |
|  | What is congestion? Name the techniques that prevent congestion. | CO3 | L1 |
|  | With the given IP-address, how will you extract its net-id and host-id? | CO3 | L2 |
|  | Describe the problem of count to infinity associated with distance vector routing technique. | CO3 | L2 |
|  | Given the IP address 180.25.21.I72 and the subnet mask255.255.192.0, what is the subnet address? | CO3 | L2 |