

Question 2 _Networks:

2.

1.Explain the concepts of Default Gateway in IP

A gateway IP refers to a device on a network which sends local network traffic to other networks.It acts intermediate between outside and local network

2.Explain the concepts of SNAT and DNAT

SNAT(Source Network Address Translation): It refers to adapter which convert local ip address in ip header to public ip address when initiate a connection to an external

DNAT(Destination Network Address Translation):It refer to adapter which convert incoming public ip address in ip header to local ip address

3.

A.192.168.101.2/24

B.192.168.101.3/24

C.192.168.102.2/24

D.192.168.102.3/24

A,B,C,D are the IPs to be assigned to four computers ;

1What network elements are need to arrive at the above network architecture and their configurations in terms at L3/L2

Details of the IP assignments to be given to each node ;

4. Explain ARP

Address Resolution Protocol is one protocol of the Network layer in the OSI model. It is identify the MAC address from ip address