CN ASSIGNMENT1

Q1EXPLAIN VARIOUS SWITCHING TECHNIQUES WITH DIAGRAMS.

Q2DISCUSS TRANSMISSION MODES WITH DIAGRAMS.

Q3DIFFERENCE BETWEEN PEER TO PEER AND CLIENT SERVER MODEL.

Q4EXPLAIN 3 TOPOLOGIES WITH DIAGRAMS AND ADVANTAGES AND DISADVANTAGES:

1. BUS
2. MESH
3. HYBRID

Q5EXPLAIN THE FOLLOWING:

1. LAN
2. WAN
3. PAN

CN ASSIGNMENT2

Q1EXPLAIN OSI MODEL AND ALL ITS LAYERS IN DETAIL.

Q2EXPLAIN TCP/IP MODEL IN DETAIL AND GIVE DIFFERENCES BETWEEN OSI AND TCP/IP MODEL.

Q3EXPLAIN FORMATS AND VARIOUS FIELDS OF IPV4 ANDIPV6 PACKETS.

Q4EXPLAIN DIFFERENT CLASSES OF IP ADDRESSING

Q5EXPLAIN THE FOLLOWING NETWORK DEVICES:

1. NIC(NETWORK INTERFACE CARD0
2. HUB AND ITS TYPES
3. SWITCH
4. ROUTERS
5. REPEATERS

Q6GIVE 5 DIFFERENCES BETWEEN:

1. SUPERNETTING AND SUBNETTING
2. IPV4 AND IPV6

CN ASSIGNMENT3

Q1 (a)EXPLAIN VARIOUS NETWORK SECURITY PRINCIPLES.

(b)EXPLAIN CRYPTOGRAPHY AND ITS TYPES.

Q2WHAT IS VIRUS.EXPLAIN DIFFERENT TYPES OF VIRUS.GIVE PREVENTIVE MEASURES TO TACKLE VIRUS.

Q3DEFINE THE FOLLOWING:

(a)ssh,https and sftp

(b)PING

(c)IPCONFIG

(d)DIGITAL SIGNATURE

(e)WEB SERVER

(f)DES ALGORITHM

(g)RSA ALGORITHM

(h)BLUETOOTH

Q4EXPLAIN DIFFERENT KINDS OF ATTACKS IN DETAIL.

Q5EXPLAIN WIRELESS BASICS.