# Question Bank (I scheme)

**Name of Subject: COMPUTER NETWORK (CNE)**       **Unit Test: II**

**Subject Code: 22417**      **Course:  IF4I**

**Semester:  IV**

## Chapter 3-REFERENCE MODEL FOR COMPUTER NETWORK

### 2 Marks

1. DEFINE   1) ENCAPSULATION    2) ERROR CONTROL
2. DRAW DIGRAM OF OSI MODEL WITH LEBELS.
3. LIST BASIC NETWORK SERVICES AND EXPLAI ANY ONE.
4. DEFINE   1) PACKET    2) FRAME
5. DRAW DIAGRAM OF TCP/IP MODEL WITH LEBELS.

### 4 Marks

1. EXPLAIN FUNCTIONS OF DATALINK AND NETWORK LAYER OF OSI MODEL

2. COMPARE OSI MODEL WITH  TCP/ IP( 8 POINTS)

3. LIST DESIGN ISSUES FOR LAYERING.EXPLAIN ANY THREE.

4. EXPLAIN FUNCTIONS OF SESSION LAYER AND APPLICATION LAYER OF OSI MODEL.

5. EXPLAIN FUNCTIONS OF TRANSPORT LAYER AND PRESENTATION LAYER OF OSI MODEL

6. EXPLAIN FUNCTIONS OF HOST TO NETWORK & INTERNET LAYER OF TCP/IP PROTOCOL

7. EXPLAIN FUNCTIONS OF APPLICATION LAYER & TRANSPORT LAYER OF TCP/IP MODEL.

## Chapter 4-TCP/IP PROTOCOL SUITE

### 2 Marks

1. LIST NAMES OF TCP/IP LAYERS WITH SUPPORTING PROTOCLS
2. LIST FOUR COMMANDS OF SMTP

### 4 Marks

1. COMPARE SLIP WITH PPP(4 POINTS)
2. EXPLAIN UDP PROTOCOL OF TCP/IP MODEL.
3. EXPLAIN RARP PROTOCOL.
4. EXPLAIN  ICMP PROTOCOL

# Chapter 5-IP ADDRESSING

**2 Marks**

1. DEFINE IP ADDRESS.STATE ITS NEEDS.
2. DEFINE  1) PHYSICAL ADDRESS   2) LOGICAL ADDRESS
3. DRAW TABLE SHOWING IP ADDRESS CLASSIFAICATION.

**4    Marks**

1. EXPLAIN IPV6 PROTOCOL.
2. COMPARE UNICAST WITH MULTICAST.
3. EXPLAIN IPV4 PROTOCOL.
4. EXPLAIN  1) SUBNETTING    2) SUPERNETTING