

Q. P. Code : 549603

Sub : CN

(3 Hours)

[Total Marks: 80]

N.B.: (1) Question No. 1 is compulsory.

(2) Attempt any Three questions out of remaining questions.

1. Answer any four 20
 - (a) Discuss and compare various types of Networks.
 - (b) Explain PSTN.
 - (c) Compare Circuit switched and Packet switched networks.
 - (d) Differentiate between TCP and UDP.
 - (e) Explain Framing in Data link layer.
2. (a) Describe about the different Guided Transmission Medias 10
 - (b) What are three main function of Network layer? What is Routing. Explain Distance vector Routing. 10
3. (a) Explain the Connection Establishment and Termination in TCP with neat diagram. 10
 - (b) Explain the functions of data link layer 10
4. (a) Explain TCP Sliding Window protocol with neat diagram in detail. 10
 - (b) Explain HDLC protocol with suitable diagram. 10
5. (a) Explain the following with example :- 10
 - (i) Repeaters (ii) Switches (iii) Hubs (iv) Routers (v) Bridges
 - (b) What are the elements of Transport Layer 10
6. Write short notes on (Any Four) 20
 - (i) GSM operation subsystem
 - (ii) Networking using Windows and LINUX operating system
 - (iii) Internet Control Protocol
 - (iv) Mobile Telephone System
 - (v) BGP.
