

Semester: 5th
Branch: Computer Engg., I.T & G.E
Subject Name: Computer Networks

Time Allowed : 3 Hrs.

MM:100

Section –A

Note: Multiple Choice questions. All questions are compulsory.

$$10 \times 1 = 10$$

Section-B

Section B

$$10 \times 1 = 10$$

- Q.11 What is the basic purpose of Network?**

- Q.12 Define Peer to Peer Network
- Q.13 What is the function of transport layer?
- Q.14 Define the term Congestion?
- Q.15 What is IPV4?
- Q.16 What are class types?
- Q.17 What is an Ethernet?
- Q.18 Define MODEM?
- Q.19 What is Confidentiality?
- Q.20 What is IEEE 802.11?

Section –C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen questions. **12x5=60**

- Q.21 What is a computer Network? Why it is needed.
- Q.22 Differentiate between LAN & WAN?
- Q.23 Explain the star topology along with its advantages & disadvantages?
- Q.24 What are the functions of data link layer?
- Q.25 What do you mean by internetworking? What is the hardware required for internetworking?
- Q.26 Write a note on session establishment?
- Q.27 Differentiate between Peer to Peer and Server Client network model?
- Q.28 Explain TCP/IP structure?
- Q.29 Define Address space.
- Q.30 Explain the loop back testing in brief?
- Q.31 What is an ARC Net? Discuss its specifications in brief
- Q.32 Write a note on Repeaters?
- Q.33 Name various network connecting devices along with their use.
- Q.34 What are the basic reasons for Network Failure?
- Q.35 What is Wi-Fi? How does it differ from Bluetooth?

Section-D

Note: Long answer questions. Attempt any two questions out of three questions.

2x10=20

- Q.36 Explain OSI reference model with diagram in details?
- Q.37 Discuss IP addressing in detail?
- Q.38 Write a short note on any two of the following:
 - i) DHCP Server
 - ii) Bridges
 - iii) Subnetting