

COMPUTER NETWORKS
5th Exam/ECE/2616/Nov'24
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. What is the length of IPV6 Address?
- b. Expand VOIP.
- c. What is Wi-fi?
- d. Which Topology requires a central controller?
- e. Expand TCP and UDP.
- f. Hub is used at which Layer?
- g. PING is a troubleshooting command. (T/F)
- h. Router is used to interconnect two similar networks.(T/F)
- i. What is NIC?
- j. HTTP is used at which Layer?
- k. Which device is used at Network Layer?
- l. What is physical Address?
- m. What is Cryptography?
- n. What is Ethical hacking?
- o. What is RAID management?

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Writ a short note on Client Server network Model.
- ii. What is Network Switching? Explain the types of Switching.
- iii. Which are the elements of Computer Networks? Write advantages of Computer Networks.
- iv. What is the difference between Hub and Switch?
- v. Compare PAN, LAN and WAN.
- vi. Explain various troubleshooting tools used in networking.
- vii. Which the types of Wireless LAN?
- viii. Write a note on types of cables used in networking.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain OSI reference model in detail.
- b. Describe various types of IP address Classes?
- c. Explain different types of Network Topologies with advantages and disadvantages and diagrams.
- d. Explain IPV4 packet format in detail.
- e. What do mean Sub netting and Super netting?

P.S.B.T.E. & I.T.