

S. B. Roll. No.....

COMPUTER NETWORKS AND SECURITY
4th Exam/CSE/IT/2495/Jun'2022
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- SAN stands for _____
- _____ Network consists of number of computers that operates at equal level.
- VOIP stands for _____
- NIC stands for _____
- What is Router?
- List types of Networks.
- TCP stands for _____
- _____ class address is used for multicasting.
- What is Ethernet?
- The OSI consist of _____ layers.
- Full mesh network is inexpensive. (T/F)
- Data grams are connection oriented. (T/F)
- _____ is the process of converting plain text to cipher text.
- PING stands for _____.
- IP address is physical address of a machine. (T/F)

SECTION-B

Q2. Attempt any six questions.

6x5=30

- What is role of Hub in computer network? Also discuss types of hub?
- What is loop back concept? Explain in brief.
- What is topology? Explain any two topologies.
- Explain working principal of DHCP Server.
- Explain Virus and Trojan.
- Difference in tabular form between MAN and WAN.
- Explain switching techniques.
- Explain trouble-shooting tools.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- Explain OSI model in detail.
- What is IP address? Also discuss working of classes.
- Explain computer network attacks.
- Explain cryptography. Also discuss symmetric and asymmetric cryptography.
- Explain network connectivity devices.