

14/12/2024 EXTC SEM-VII C SCHEME ICE (DLOC-IV) QP CODE: 10064279

Time : 3hrs

Total Marks: 80

N.B.:

1. Question no.1 is compulsory. Attempt any FOUR
2. Attempt any three questions from the remaining five questions.
3. Total four questions need to be solved.
4. Assume suitable data whenever necessary, justify the same.

- Q.1 a Explain the evolution of the Internet. [5]
- Q.1 b Compare Telnet and SSH remote login protocol. [5]
- Q.1 c Explain the working of Virtual Private Network (VPN). [5]
- Q.1 d Differentiate between MPEG1 and MPEG2 compression standards. [5]
- Q.1 e Explain software defined network (SDN) . [5]
- Q.2 a Explain video compression technique in detail. [10]
- Q.2 b Analyze how PGP protocol provides security to electronic mail. [10]
- Q.3 a Draw and explain the block diagram of IoT protocol. [10]
- Q.3 b Explain packet scheduling disciplines in the Internet to achieve Quality of service. [10]
- Q.4 a Explain working of network layer Internet security protocol AH and ESP. [10]
- Q.4 b What is network automation? Describe network automation in SDN. [10]
- Q.5 a Explain working of RSVP: reservation protocol. [10]
- Q.5 b Explain the DNS domains in the Internet. [10]
- Q.6 Write a short note on the following. [20]
- a Real-Time Streaming Protocol(RTSP)
 - b H.261 and H.263
 - c Quality of services-Integrated services
 - d IPTV
