Paper / Subject Code: 42480 / INTERNET COMMUNICANTION ENGINEERING (DLOC - IV)

1T01037 - B.E.(Electronics and Telecommunication)(SEM-VII)(Choice Base Credit Grading System) (R- 19-20) (C Scheme) / 42480 - INTERNET COMMUNICANTION ENGINEERING (DLOC - IV) QP CODE:10025528 DATE : 22/06/2023

[Marks: 80]

Duration: 3 hrs

N.B.: (1) Question No 1 is Compulsory. (2) Attempt any three questions out of the remaining five. (3) All questions carry equal marks. (4) Assume suitable data, if required, and state it clearly. 1 Attempt any FOUR a Explain Open flow protocol. b Write a short note on IPTV. c Compare OSI and TCP/IP protocol suite. d Explain Virtual Private Network in brief with diagram. What are the packet scheduling disciplines on the Internet? Explain DHCP packet format with diagram. 2 [10] Explain H.261 video compression standard. [10] What is a firewall? Explain packet filter and proxy firewall with necessary [10] Define IoT. Explain IoT protocol layer diagram with protocols at each layer. [10] What is Voice over IP? Explain messages and address formats of Session [10] Initiation Protocol (SIP)? How a simple session of VOIP happen using SIP? Explain concepts of device provisioning, data collection, migration and [10] configuration management with respect to network automation. Explain MPEG 2 standard. [10] Explain Differentiated Services (DS) with respect to Quality of Service (QoS). [10] Explain DS field, per-hop behavior and traffic conditioner with respect to DS. Describe each field of Real Time Transport Protocol (RTP) packet header format [10] with diagram? Explain S/MIME protocol with respect to application layer security. [10]