

June 12, 2024 10:30 am - 01:30 pm 1T01037 - B.E.(Electronics and Telecommunication)(SEM-VII)
(Choice Base Credit Grading System) (R- 2019-20)(C Scheme) / 42480 -
INTERNET COMMUNICATION ENGINEERING (DLOC - IV) QP CODE: 10054851

Duration: 3 hrs

[Max Marks: 80]

- 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 [20]
 - a Explain function of different layer used in TCP/IP [5]
 - b Explain the need of audio or video compression in multimedia communication. [5]
 - c Differentiate between DNS and MDNS. [5]
 - d Explain working of IPTV? [5]
 - e Explain IoT and it's uses in internet communication [5]

 - 2
 - a Describe each field of SSH packet format with the help of diagram [10]
 - b Explain HTTP and its transaction messages? [10]

 - 3
 - a What is RTCP? Explain it's working and different messages used in RTCP [10]
 - b State and explain the Integrated Service model used for QoS [10]

 - 4
 - a Explain packet filter firewall and Proxy based firewall. [10]
 - b Explain the protocol used to create a secure email messages. [10]

 - 5
 - a What is the OpenFlow protocol? Explain SDN architecture(10M) [10]
 - b Explain MPEG for video compression in detail with reference to JPEG compression [10]

 - 6 Write a note on (any two) [10]
 - a) SSL/TSL protocol for transport layer security (10M)
 - b) H.261 and H.263 (10M)
 - c) VPN (10M)
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