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MID TERM EXAMINATION

B.TECH PROGRAMMES (UNDER THE AEGIS OF USICT)

V Semester, November, 2023

Paper Code: CIC-313

Subjects Computer Setworks

Time: 11/4 Hrs.

Max. Marks: 30

Note: Attempt Q. No. 1 which is compulsory and any two more questions from remaining.

Q. No.	Question	Max. Mark	CO
1.(a)	Mention four basic network topologies.	2	COI
(b)	Mention any two different modes of wireless communication.	2	CO2
(c)	Five channels, each with a 100-kHz bandwidth, are to be multiplexed together. What is the minimum bandwidth of the link if there is a need for a guard band of 10 kHz between the channels to prevent interference?	2	COI
(d)	Mention two types of multiplexing techniques used in communication	2	COL
(e)	Mention any two addressing schemes used in an internet employing the TCP/IP protocols.	2	CO2
(b) E	What is OSI model? Discuss layers associated with it. Explain the principal of optical fibre communication and briefly describe its different modes.	and supplied the supplied of the supple	CO1
(b) E	Explain the principal of optical fibre communication and briefly describe its different modes.	5	COI
(b) E	Explain the principal of optical fibre communication and briefly describe its different modes. Explain the principal of optical fibre communication and briefly describe its different modes.	5	CO1
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(b) E it	Explain the principal of optical fibre communication and briefly describe its different modes. Explain TCP/IP model in brief and mention layers associated with it. Four 1-kbps connections are multiplexed together. A unit is 1 bit. Find the duration of 1 bit before multiplexing, (b) the transmission rate of	5	CO1
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