

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year II Semester Regular & Supplementary Examinations August-2023
COMPUTER NETWORKS

(Common to CSE, CAD & CSM)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

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|---|-----|----|----|
| 1 a Describe about analog signals. | CO1 | L2 | 6M |
| b Classify performance of the networks. | CO1 | L4 | 6M |

OR

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|---|-----|----|-----|
| 2 Differentiate between OSI and TCP /IP reference models. | CO1 | L3 | 12M |
|---|-----|----|-----|

UNIT-II

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|---|-----|----|----|
| 3 a Classify the Data Link Layer Design Issues. | CO2 | L4 | 6M |
| b Justify what are the error correction techniques used in data link layer. | CO2 | L5 | 6M |

OR

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| 4 Illustrate HDLC Protocol with the elaborative explanation of its frames. | CO2 | L3 | 12M |
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UNIT-III

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| 5 List and explain congestion control algorithms in network layer. | CO3 | L1 | 12M |
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OR

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| 6 a Sketch and explain in detail about IPV6 protocol. | CO3 | L3 | 6M |
| b Describe about BGP- Exterior Gateway routing protocol. | CO3 | L2 | 6M |

UNIT-IV

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|---|-----|----|----|
| 7 a Summarize congestion control in transport layer. | CO4 | L2 | 6M |
| b Elaborate each field of TCP segment header with neat diagram. | CO4 | L5 | 6M |

OR

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| 8 Discuss in detail about performance issues of transport layer. | CO4 | L2 | 12M |
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UNIT-V

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| 9 a List out the four main properties of HTTP. | CO5 | L1 | 6M |
| b Explain about secure shell in application layer. | CO5 | L2 | 6M |

OR

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|---|-----|----|-----|
| 10 Demonstrate about MIME Protocol with neat diagram. | CO5 | L2 | 12M |
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*** END ***

