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

B.Tech III Year II Semester Regular Examinations August-2022

COMPUTER NETWORKS

(Common to CSE & CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

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|---|----------|---|-----------|-----------|
| 1 | a | Define computer networks, Specify Computer Network Types. | L1 | 6M |
| | b | Classify performance of the networks. | L4 | 6M |

OR

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|---|----------|--|-----------|-----------|
| 2 | a | Briefly explain about different unguided media. | L2 | 6M |
| | b | Illustrate what are the data rate limits in computer networks. | L3 | 6M |

UNIT-II

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|---|----------|---|-----------|-----------|
| 3 | a | Explain briefly about error detection in data link layer. | L2 | 6M |
| | b | Describe flow control in data link layer. | L2 | 6M |

OR

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|---|--|-----------|------------|
| 4 | Define and explain clearly about data link control services. | L1 | 12M |
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UNIT-III

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| 5 | a | Write about BGP– Exterior Gateway routing protocol. | L4 | 6M |
| | b | Sketch and explain in detail about IPV4 protocol. | L3 | 6M |

OR

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|---|----------|---|-----------|-----------|
| 6 | a | Explain distance vector routing algorithm. | L2 | 6M |
| | b | Describe the term internetworking in network layer. | L2 | 6M |

UNIT-IV

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|---|----------|--|-----------|-----------|
| 7 | a | List and define the elements of transport layer. | L1 | 6M |
| | b | Describe about TCP Connection Release. | L1 | 6M |

OR

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|---|--|-----------|------------|
| 8 | Write in detail about performance issues of transport layer. | L4 | 12M |
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UNIT-V

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| 9 | Write in detail about DNS Name Space and Domain Resource records. | L4 | 12M |
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OR

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|----|----------|-------------------------------------|-----------|-----------|
| 10 | a | Name the basic functions of E-Mail. | L1 | 6M |
| | b | Summarize in detail about cookies. | L6 | 6M |

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