

**Reg. No:**

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

**B.Tech III Year II Semester Regular & Supplementary Examinations October-2020**  
**COMPUTER NETWORKS**

(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

1 Write about OSI network model? 12M

**OR**

2 Explain about Public Switched Telephone Network 12M

**UNIT-II**

3 Write about Point to Point (PPP) protocol in detail? 12M

**OR**

4 Write about Checksum error detection method with neat diagram. Also explain Internet checksum method 12M

**UNIT-III**

5 Explain IP v6 protocol in detail 12M

**OR**

6 a Write about BGP – Exterior Gateway routing protocol? 6M

b Write about Internet control protocols? 6M

**UNIT-IV**

7 What are the different Primitives used for transport service? Explain them. 12M

**OR**

8 Write in detail about User Datagram Protocol (UDP). 12M

**UNIT-V**

9 Write in detail about DNS Name Space and Domain Resource records 12M

**OR**

10 Explain in detail about function and structure of e-mail protocol 12M

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