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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)****M.Tech I Year I Semester Regular & Supplementary Examinations February 2018****ADVANCED COMPUTER NETWORKS****(CSE)**Time: **3 hours**Max. Marks:**60**(Answer all Five Units **5 X 12 =60** Marks)**UNIT-I**

- 1 a Explain about equal sized packet model? 6M
b What are the five layers in the Internet Protocol Stack? Explain? 6M

OR

- 2 a Explain IPv4 with the help of a neat diagram? 6M
b Explain Delay and Loss in Packet-Switched Networks? 6M

UNIT-II

- 3 a Explain about RIP over Distance Vector Routing? 6M
b Explain in detail about congestion control? 6M

OR

- 4 a Explain about classless addressing in detail? 6M
b Write a brief note on Unidirectional congestion control? 6M

UNIT-III

- 5 a Explain about different types of wireless LANs? 6M
b Explain about Mobile IP Routing? 6M

OR

- 6 a Explain about Point Coordination Function of 802.11 MAC Layer? 6M
b Discuss briefly about Stream Control Transmission Protocol? 6M

UNIT-IV

- 7 a Explain about the services provided by the Internet transport protocols? 6M
b Explain about TCP Segment Structure with help of neat diagram? 6M

OR

- 8 a Discuss briefly about the SMTP protocol. 6M
b Explain about the services offered by DNS? 6M

UNIT-V

- 9 a Explain about various types of attacks in ad-hoc networks? 6M
b Explain about TORA algorithm? 6M

OR

- 10 a Where wireless Ad-hoc networks are used? State its advantages? 6M
b List out the properties required for construction of Secure Routing Protocol? 6M

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