

-136-

Total No. of Pages: 01
B.Tech. (ECE)
Supplementary Examination

Roll No.....
Fifth Semester
Feb-2019

EC-315: COMPUTER COMMUNICATION NETWORKS

Time: 03 hours

Max. Marks: 50

Note: All Questions are compulsory.

Assume suitable missing data, if any.

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1. [a] What is the difference between service, protocol and protocol stack? [6]
[b] State 4 main responsibilities of the data link layer with respect to OSI model. [4]
 2. [a] Differentiate between CSMA, CSMA-CD and CSMA-CA protocol. [6]
[b] Differentiate between ALOHA and slotted ALOHA. [4]

 3. [a] Differentiate between UDP and TCP protocol. [6]
[b] Explain ARP and RARP protocol. [4]
 4. [a] Explain the structure of firewall. [4]
[b] Explain DNS and electronic mail. [6]
 5. [a] Differentiate between cellular networks and adhoc wireless networks. [6]
[b] Explain 4 applications of adhoc wireless networks. [4]

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