Code: 9A05506

B.Tech III Year I Semester (R09) Supplementary Examinations June 2017
COMPUTER NETWORKS
(Common to CSE and IT)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Briefly explain about public telephone networks.
   (b) List advantages and disadvantages of having international standards for network protocols.

2 (a) Explain the terms "Sender window" and "Receiver window" in sliding window protocol.
   (b) Explain error detection and correction at data link layer.

3 (a) Write short notes on wireless LANs.
   (b) Briefly explain the IEEE 802.11 protocol stack.

4 (a) Discuss the flooding and selective flooding algorithms.
   (b) Define congestion. Briefly explain different congestion prevention policies.

5 (a) Describe in detail about concatenated virtual circuits.
   (b) Discuss in detail about the connectionless internetworking.

6 (a) Give brief description about the flow control and buffering.
   (b) Discuss in detail about the multiplexing.

7 (a) List and explain the components present in the user agent.
   (b) Explain the RFC 822 formats with suitable example.

8 (a) Write in detail about the stream cipher mode of encryption and decryption.
   (b) Explain in detail about the public key cryptographic algorithms.

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