Code: 9A05506

R09

B.Tech IV Year I Semester (R09) Supplementary Examinations June 2017
COMPUTER NETWORKS
(Common to ECE & EIE)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain about TCP model. What is the main difference between TCP and UDP?
  (b) Write about fiber optic transmission media.

2 (a) Discuss about the protocols for a noisy channel.
  (b) Explain the simple stop-and-wait protocol.

3 (a) What are the schemes used for channel allocation problem, explain.
  (b) Explain the operation of Manchester encoding with example.

4 (a) Explain selective flooding and discuss some of its practical usages.
  (b) What is congestion? Why congestion control mechanisms differ for virtual circuit subnets and datagram subnets?

5 (a) Explain the principles of RFC 1958 in detail.
  (b) Discuss in detail about the sequencing of the fragments.

6 (a) Draw and explain the pseudo header of the TCP Checksum.
  (b) Explain the byte segments of TCP connection.

7 (a) Explain the different XHTML modules and tags with necessary examples.
  (b) What are the different stages in POP3 Protocol? Explain them in detail.

8   Write short notes on the following:
  (a) Advanced Encryption Standard.
  (b) Quantum cryptography.

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