

Code: 9A05506

R09

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2014

COMPUTER NETWORKS

(Common to ECE & EIE)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) List advantages and disadvantages of having international standards for network protocols.
(b) Briefly explain the various types of the wireless transmissions.
- 2 (a) Compare and contrast SLIP and PPP.
(b) Explain the operation of selective repeat protocol.
- 3 Write short notes on the following:
(a) IEEE 802.5 standard.
(b) IEEE 802.4 token bus standard.
- 4 Explain in detail about congestion control algorithms.
- 5 (a) Discuss some of the ways in which the networks differ.
(b) How is internetworking can be done? Explain in detail.
- 6 (a) Discuss in brief about the services provided by the transport layer.
(b) What is addressing? Explain it in detail.
- 7 (a) What is a CDN? Explain the steps in looking up a URL when a CDN is used.
(b) Draw and explain the architecture of WAP.
- 8 (a) Discuss in detail about the public key signatures.
b) (Explain with a suitable example, the generation of digital signatures by using the message digests.
