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B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016.

Fourth Semester

Computer Science and Engineering  
CS 6551 – COMPUTER NETWORKS  
(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART – A

(10 x 2 = 20 marks)

1. Define flow control?
2. Write the parameters used to measure network performance?
3. Define hidden node problem?
4. What is Bluetooth?
5. Explain ICMP and write the function?
6. Write the types of connection devices in internetworking?
7. What do you mean by slow start in TCP congestion?
8. List the different phases used in TCP connection?
9. Define URL?
10. Mention the different levels in domain name space?

PART-B

(5 x 16 = 80 marks)

11. a) Explain any two error detection mechanism in details?

Or

b) Explain in details about?

i) HDLC

ii) PPP

12. a) Give the comparison between different wireless technologies? Enumerate 802.11 protocol stack in details.

Or

b) Write a short on:

i) DHCP

ii) ICMP

13. a) With a neat diagram explain distance vector routing protocol?

Or

b) Explain about IPV6? Compare IPv4 and IPv6?

14. a) Define UDP? Discuss the operation of UDP explain UDP checksum with one example?

Or

b) Explain in details the various TCP congestion control mechanisms

15. a) i) describe how SMTP protocol is used in E-mail application?

ii) Explain HTTP with an example?

Or

b) Explain in detail about Web service architecture?