



Reg. No.

A U H I P P O . C O M *



Question Paper Code : 57259

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

Sixth Semester

Electronics and Communication Engineering

CS 6551 – COMPUTER NETWORKS

**(Common to Fourth Semester – Computer Science and Engineering/ Fifth Semester –
Information Technology)**

(Regulations 2013)

Time : Three Hours

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Maximum : 100 Marks

Answer ALL questions.

PART – A ($10 \times 2 = 20$ Marks)

1. Define flow control.
2. Write the parameters used to measure network performance.
3. Define hidden node problem.
4. What is Bluetooth ?
5. Expand ICMP and write the function.
6. Write the types of connecting 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 × 16 = 80 Marks)

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11. (a) Explain any two error detection mechanisms in detail. (16)

OR

- (b) Explain in detail about : (8)
- (i) HDLC (8)
 - (ii) PPP (8)

12. (a) Give the comparison between different wireless technologies ? Enumerate 802.11 protocol stack in detail. (16)

OR

- (b) Write a short on : (8)
- (i) DHCP (8)
 - (ii) ICMP (8)

13. (a) With a neat diagram explain Distance vector routing protocol. (16)

OR

- (b) Explain about IPV6 ? Compare IPV4 and IPV6. (16)

14. (a) Define UDP. Discuss the operations of UDP. Explain UDP checksum with one example. (16)

OR

- (b) Explain in detail the various TCP congestion control mechanisms. (16)

15. (a) (i) Describe how SMTP protocol is used in E-mail applications. (8)
- (ii) Explain HTTP with an example. (8)

OR

- (b) Explain in detail about Web service architecture. (16)

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