Register Number.....

M.E. DEGREE EXAMINATIONS: DECEMBER 2009

First Semester

COMPUTER SCIENCE AND ENGINEERING

CSE504: Network Engineering

Time: Three Hours **Maximum Marks: 100**

Answer ALL Questions:-

PART A (10 x 2 = 20 Marks)

1. Compare circuit switching and packet switching.
2. What do you mean by M/D/1 Queue?
3. What are the limitations of the bridges?
4. What do you mean by CIDR?
5. Briefly explain Karn's algorithm.
6. What do you mean by implicit congestion signaling?
7. Differentiate filter based firewall and proxy based firewall.
8. List some HTTP operations.
9. What do you mean by structure of management information?
10. List out some SNMP operations.

PART B (5 x 16 = 80 Marks)

11. a) Discuss in detail about IEEE 802.11.

(OR)

b) Discuss in detail about single server queue.

12. a) Explain Distance vector routing algorithm with example.

(OR)

b) Write short notes on

(i) DHCP.

(ii) ATM ARP.

13. a) With neat diagram explain TCP state transition diagram.

(OR)

b) Explain the differnt congestion avoidance mechanisms.

14. a) Explain the DES algorithm in detail.

(OR)

b) Discuss in detail about SMTP.

15. a) Draw the architectural model of a network management system and explain.

(OR)

b) Discuss the issues in the security management.

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