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(Pages 2)

Name

Reg. No.

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2013

(UG – CCSS)

Core Course

CA 5B 09—COMPUTER NETWORKS

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions :

- 1 Name any one network topology.
- 2 Physical layer is the _____ layer of OSI model.
- 3 FDDI stands for _____
- 4 Expansion of CSMA/CD is _____
- 5 Bridges are used for _____
- 6 TCP/IP stands for _____
- 7 Expansion of DNS is _____
- 8 Encryption comes in _____ layer.
- 9 Expansion of IEEE is _____
- 10 MD5 stands for _____
- 11 PGP stands for _____
- 12 Firewalls can be used for _____

(12 x 3 = 36 weightage)

II. Answer all *nine* questions :

- 13 What are the functions of physical layer ?
- 14 Describe the uses of Switches.
- 15 Describe about IEEE 802.5.
- 16 What is SONET ?
- 17 What are the uses of routers ?
- 18 Describe about UDP.
- 19 What are gateways ?

Turn over

20 Name any routing algorithm.

21 In which layer **http** is discussed ?

(9 x 1 = 9 weightage)

III. Answer *five* questions from 7 :

22 Discuss in detail about the **modem**.

23 Discuss about **CSMA/CD**.

24 Describe about Sliding window protocol.

25 What are the functions of network layer ?

26 Discuss about **internetworking**.

27 Write notes on **FTP**.

28 Write note on ciphers.

(5 x 2 = 10 weightage)

IV. Answer any *two* questions :

29 Describe any *one* congestion control algorithm in detail.

30 Describe in detail about the different network topologies.

31 Describe in detail about the working of public/private key encryption.

(2 x 4 = 8 weightage)