

D 71063

(Pages 2)

Name.....

Reg. No.....

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2014

(UG-CCSS)

Core Course

CA 5B 09—COMPUTER NETWORKS

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions :

- 1 OSI means _____.
- 2 First layer of OSI model is _____.
- 3 Expansion of SONET is _____.
- 4 Expansion of CSMA/CD is _____.
- 5 Repeaters are used for _____.
- 6 UDP stands for _____.
- 7 Expansion of HTTP is _____.
- 8 Decryption comes in _____ layer.
- 9 Expansion of IEEE is _____.
- 10 RSA stands for _____.
- 11 MIME stands for _____.
- 12 Firewalls can be used for _____.

(12 × ¼ = 3 weightage)

II. Answer all *nine* questions :

- 13 What are the 7 layers of OSI model ?
- 14 What is a MODEM ?
- 15 What is FDDI ?
- 16 What are the uses of Bridges ?
- 17 Describe about IEEE 802.11.
- 18 What are gateways ?
- 19 Name any congestion control algorithm.

Turn over

20 In which layer DNS issues are solved ?

21 Discuss about ciphers.

(9 × 1 = 9 weightage)

III. Answer *five* questions from 7 :

22 Discuss in detail about the physical layer.

23 Discuss about ALOHA.

24 Describe about LAN.

25 What are the elements of transport layer protocols ?

26 Discuss about internetworking.

27 Write notes on SMTP.

28 Write note on cryptography.

(5 × 2 = 10 weightage)

IV. Answer *two* questions 3 :

29 Describe any *one* routing algorithm in detail.

30 Describe in detail about the synchronization in session layer.

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

(2 × 4 = 8 weightage)