

D91053

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Name.....

Reg. No.....

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2015

(U.G.—CCSS)

Core Course

CA 5B 09—COMPUTER NETWORKS

Time : Three Hours

Maximum : 30 Weightage

I. Answer All *twelve* questions.

- 1 Define the term LAN.
- 2 HTTP means _____
- 3 What is DNS?
- 4 What is SONET ?
- 5 Expand the term IEEE.
- 6 What is FDDI ?
- 7 What is FTP ?
- 8 What is OSI model ?
- 9 What is middleware
- 10 What is UDP ?
- 11 SMTP is used for _____
- 12 Expand the term ATM.

(12 x $\frac{1}{4}$ = 3 weightage)

II. Answer all *nine* questions.

- 13 What are the three kinds of transmission media ?
- 14 What is bandwidth in communication ?
- 15 Define frequency of a signal.
- 16 What is CDMA ?
- 17 What is the use of Hub in networks ?
- 18 What is TCP/IP/.
- 19 What you mean by security attack ?
- 20 List out type of active security attack.
- 21 What is DES ?

(9 x 1 = 9 weightage)

Turn over

III. Answer *five* questions from seven.

- 22 Explain encryption.
- 23 Write a note on presentation layer.
- 24 Explain ALOHA algorithm.
- 25 Explain routing algorithm.
- 26 Write a note on transportation layer.
- 27 What are the **TCP-UDP** performance issues ?
- 28 What is Cryptography ?

(5 x 2 = 10 weightage)

IV. Answer *two* questions from three.

- 29 Explain OSI Model in detail
- 30 Write note on Public key and Private and how it used in security ?
- 31 Describe congestion algorithms.

(2 x 4 = 8 weightage)