

NOV-DEC-2012

Total No. of Questions : 12]

SEAT No. :

P828

[Total No. of Pages : 2

[4263] - 347

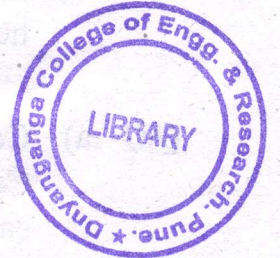
T.E. (Computer Engg.)
COMPUTER NETWORKS
(2008 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates :

- 1) Answer three questions from section-I and three questions from section-II.
- 2) Answers to the two sections should be written in separate books.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data if necessary.
- 5) Figures to the right indicate full marks.



SECTION - I

- Q1) a) Assume that you are accessing a web page through a browser on a computer. Explain step by step various things that happen at various layers on client side and server side. Assume both uses TCP/IP protocol stack. [8]
- b) Compare file transfer using SMTP and HTTP methods. [8]

OR

- Q2) a) What is DNS? Explain with suitable example process of delivering of requested web page on your computer? [8]
- b) Explain in brief functionality of Web server, Proxy server, Mail server. [8]
- Q3) a) What is a 3-way handshake in TCP? Explain in brief why it is required? [6]
- b) Draw UDP header structure, Explain significance of each field in UDP header. What is pseudo-header? [6]
- c) Explain multiplexing and de-multiplexing in transport layer. [6]

OR

- Q4) a) "UDP does not guarantee reliability in data transfer but delivered data is error free" Justify this statement. [6]
- b) What is socket? List and explain various socket primitives required in TCP socket program on client and server side. [6]
- c) Explain significance of following flags in TCP header SYN, RST, FIN, PSH. [6]

P.T.O.

