

Total No. of Questions : 12]

SEAT No. :

P1140

[Total No. of Pages : 3

[4163] - 347
T.E. (Computer Engg.)
COMPUTER NETWORKS
(2008 Pattern) (Sem. - II)

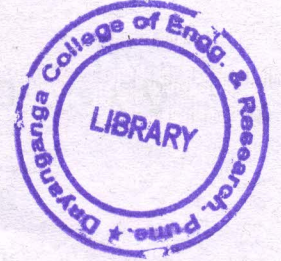
May - June 2012
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Time : 3 Hours]

[Max. Marks : 100

Instructions to candidates:

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



SECTION - I

Q1) a) Assume that you are accessing a mail through a browser on a computer. Explain step by step various things happen at various layers on client side computer and server side. Assume both uses TCP/IP protocol stack. [8]

b) State and explain any three HTTP methods. [8]

OR

Q2) a) Comment on the importance of DNS. Explain with suitable example how query resolving process is done? [8]

b) Explain in brief functionality of DHCP server, Proxy server, Mail server. [8]

Q3) a) Draw and explain 3-way handshake process of TCP. [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) Explain significance of following flags in TCP header SYN, RST, FIN, PSH. [6]

b) What is socket? List and explain various socket primitives required in UDP socket program on client and server side. [6]

c) Explain error control and flow control in TCP. [6]

P.T.O

