SEAT No. :

P3658

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APR - 15 / Engg. - 143

T.E. (Computer Engg.) (In Sem - Semester - II)

COMPUTER NETWORKS

(2012 Pattern)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates:

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What is the difference between persistent & non persistent HTTP? Also explain HTTP message format. **[6]**

b) Compare IMAP and POP3. **[4]**

OR

Q2) a) Compare file transfer using SMTP & HTTP. **[7]**

b) State which transport layer protocol is used by following application layer protocol. **[3]**
HTTP, FTP, DHCP, DNS, SMTP, TELNET.

Q3) a) What is QOS? Explain various parameters for QOS in a network. **[6]**

b) List TCP congestion control approaches. Explain any one. **[4]**

OR

Q4) a) Explain in detail RTP with packet header format. **[7]**

b) Draw TCP Header format. **[3]**

P.T.O.

Q5) a) Explain Distance Vector Routing. What are the advantage & disadvantage of DV Routing? **[6]**

b) Draw & explain IPv4 Header. **[4]**

OR

Q6) a) Divide the network 220.125.5.192/26 into 8 subnetworks. How many hosts can be connected in each network? Show their IP range, network address and broadcast address. **[6]**

b) Describe in short the importance & working of following commands.**[4]**

i) Ping   ii) IP config

iii) Traceroute   iv) Netstat

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