

Total No. of Questions : 8]

SEAT No. :

P2414

[4758] - 582

[Total No. of Pages :2

T.E. (Computer Engineering)

COMPUTER NETWORKS

(2012 Course) (Semester - II) (End Semester)

Time :3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Figures to the right indicate full marks.*
- 2) *Draw neat diagrams wherever necessary.*
- 3) *Assume suitable data, if necessary.*

- Q1)** a) Explain FTP in detail. [7]
b) What is Qos. Explain Qos parameters. [8]
c) What is significance of priority & flow label fields in Ipv6. [5]

OR

- Q2)** a) Explain functionality of DHCP server, proxy server, file server, Web server. [8]
b) Draw & explain three way handshake process of TCP. [4]
c) Describe in short the importance & working of following commands:[8]
i) Ping
ii) Netstat
iii) Traceroute
iv) IP config

- Q3)** a) Explain WAP protocol stack. [8]
b) Write short note on. [8]
i) Wirless LAN
ii) WML script

OR

P.T.O.

- Q4)** a) Explain all versions of 802.11 standard & compare. [8]
b) Explain WLAN architecture. [8]

- Q5)** a) Draw & explain VOIP network architecture. [8]
b) Explain VANET architecture? What are the challenges in Vehicular Network. [8]

OR

- Q6)** a) What is DTN? Explain different layers of DTN. [8]
b) Explain advantages & disadvantages of VOIP over traditional telephone network. [8]

- Q7)** a) Explain ATM architecture. [8]
b) Write short note on: (any 2). [10]
i) Components of optical network
ii) GMPLS
iii) SDN

OR

- Q8)** a) What is virtualization? Explain its type. [8]
b) Explain SONET frame structure. [6]
c) What are different client layers of optical fiber. [4]

