

Total No. of Questions : 8]

SEAT No. :

P3313

[Total No. of Pages : 2

[5353]-188

T.E. (Computer) (Semester - II)

COMPUTER NETWORKS

(2012 Pattern)

Time : 2½ hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Assume Suitable data, if necessary.*

- Q1)** a) What is need of DHCP? Explain working of DHCP in brief. [7]
b) Explain NA GALE'S algorithm and Clark's Algorithm for flow control [7]
c) Compare IPv4 and IPv6. [6]

OR

- Q2)** a) Describe domain name system in detail. [7]
b) Explain leaky bucket algorithm. Which quality parameter is ensured by leaky bucket algorithm? [8]
c) What is need of RARP? Explain working of RARP. [5]

- Q3)** a) Explain WAP Architecture with necessary diagram. [8]
b) Explain Architecture of IEEE 802.11. [8]

OR

- Q4)** a) Write a note on Wireless LAN Architecture. [8]
b) Write a short note on wireless standard IEEE 802.11(a/b/g/n/ac/ad). [8]

- Q5)** Write a short note on [16]
a) Delay tolerant networks.
b) Vehicular networks

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OR

- Q6)** a) Explain VOIP Architecture with neat diagram. [8]
b) Explain implementation and Applications of VOIP. [8]

- Q7)** a) Write a note on [16]
i) GMPLS.
ii) ATM Protocol architecture
b) Explain need of ATM. [2]

OR

- Q8)** a) Write a note on Software defined network. [8]
b) Explain propagation of signals in optical fiber with diagram. [6]
c) Explain ATM traffic management. [4]

