

[4366]- 304

SYMCA (Engg. Faculty)

COMPUTER COMMUNICATIONS & NETWORKS

(Semester -III) (2008 Pattern) (610904)

MAY 2013 EXAMINATIONS

Time: 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Write answer in separate answer book.
- 3) Assume Suitable data if necessary.
- 4) Figures to the right side indicate full marks.
- 5) Draw the diagram if necessary.

SECTION I

- 1) a) What is Switching? Explain detail different Switching techniques. [6]
b) Explain Open System Interconnection (OSI) model in Detail. [6]

OR

- 2) a) Explain any two Unguided Transmission Media in Detail. [6]
b) What are different types of TDM techniques in detail? [6]

OR

- Q4) a) Explain bridges and switches in brief. [5]
b) What is DHCP? Explain in detail DHCP lease. [6]

OR

- Q5) a) Explain Bluetooth Architecture with neat diagram. [6]
b) What is CSMA? Discuss in detail about CSMA/CD & CSMA/CA. [6]

- Q6) a) Explain fast and gigabyte Ethernet. [6]
b) Explain LAN, WAN and MAN in detail. [6]

SECTION II

- a) Explain IP addressing in detail. [6]
- b) What are Transport Layer services? Explain Transport Layer service Primitives in detail. [6]

OR

- a) What is HTTP? Explain error code and status code in HTTP. [6]
- b) What is Socket? Explain various socket primitives used in client server interaction. [6]

- a) Explain Flow Control in TCP. [6]
- b) What is Unicast Routing? Explain any two Unicast Routing Protocol. [5]

OR

- a) Compare TCP with UDP. [6]
- b) What is DNS? Explain different types of DNS domain. [5]

- a) What is Firewall? Explain different types of Firewall, rule and policies in detail. [6]
- b) Explain POP3 and IMAP4 protocol. [6]

OR

- a) Explain IPV4 Protocol with header format. [6]
- b) Write short note: [6]
 - i) MIME
 - ii) SNMP