NOV-15

SEAT No. :

P1906

[Total No. of Pages :2

[4861]-34

S.Y. M.C.A. (Engg.)

COMPUTER COMMUNICATIONS & NETWORKS

(2008 Course) (Semester - III) (610904)

Time : 3 Hours]   *[Max. Marks :70*

Instructions to the candidates:

1)   Answers to the two sections should be written in separate answer books.

2)   Neat diagrams must be drawn wherever necessary.

3)   Figures to the right side indicate full marks.

4)   Assume suitable data if necessary.

SECTION -I

Q1) a)   Explain any two Unguided Medias in short.   [5]

b)   Write down difference between FDM, TDM & WDM.   [6]

OR

Q2) a)   Explain transmission modes with examples.   [6]

b)   Write short note on -Satellite Orbit.   [5]

Q3) a)   Explain OSI model with their protocols.   [6]

b)   Explain different Network Topologies.   [6]

OR

Q4) a)   Explain different switching techniques.   [8]

b)   Explain Sliding window protocol with neat diagram.   [4]

Q5) a)   Write a short note on Ethernet.   [6]

b)   Explain persistent & non persistent CSMA.   [6]

OR

Q6) a) Explain Bluetooth architecture with neat diagram. [6]

b) Explain Broadband Wireless. [6]

SECTION - II

Q7) a) Write down difference between Connection-oriented & Connectionless Services. [6]

b) What is purpose of ARP & RARP protocols? Explain with neat diagram. [6]

OR

Q8) a) Write short note on- Multicast Routing: IGMP. [6]

b) Explain Congestion prevention policies. [6]

Q9) a) Explain connection establishment using three way handshaking in TCP.[6]

b) Explain how TCP provides flow control mechanism. [5]

OR

Q10)a) Explain difference between UDP & TCP. [6]

b) What is socket? Explain various socket primitives used in client server interaction. [5]

Q11)a) Explain Browser architecture. [6]

b) Explain the working of HTTP. [6]

OR

Q12)a) Explain Email Architecture with different Scenarios. [6]

b) Write a short note on - FTP. [6]

ℰℰℰ