

M.E DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2013)

Third Semester

EMBEDDED SYSTEMS

P13ESTE21:Datacommunication and Networking

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 2 = 10 Marks)

1. What is meant by burst error?
2. Distinguish between point-to-point and multipoint connections.
3. Classify about the UDP.
4. Tell about the Virtual Circuit Identifier.
5. Draw the Diagram of Telephone line bandwidth.
6. Label Checksum?
7. What do you mean by Priority queuing?
8. Name about Leaky bucket algorithm.
9. Define MIME.
10. Relate the concept of HTTP.

Answer any FIVE Questions:-

PART B (5 x 16 = 80 Marks)

Q.No:11 is Compulsory

11. Discuss about network and OSI Architecture with neat diagram.
12. (i) What is collision? How does CSMA/CD detect and handle collisions. (10)
(ii) Explain the frame format of token ring network. (6)
13. Briefly explain the different types of packet switching techniques with suitable networks. Write each of its advantages and disadvantages.

14. Briefly explain the ARP and RARP with related diagrams.
15. (i) Draw the structure of TCP segment. Explain the features of TCP. (8)
(ii) What do you understand by ‘3-way Hand shake’ in TCP? Explain. (8)
16. (i) Describe how SMTP protocol is used in E-mail applications. (8)
(ii) Illustrate the operation of FTP with a neat sketch. (8)
