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B.E /B.TECH DEGREE EXAMINATIONS APR/MAY 2012
INFORMATION TECHNOLOGY
FOURTH SEMESTER
EC296 – TELECOMMUNICATION SWITCHING & NETWORKS
(2004 Regulations)

Time: 3 hrs

Max. Marks: 100

PART-A (10x2=20 Marks)

Answer ALL the Questions

1. Give the classification of switching system.
2. What is pulse dialing?
3. Give the difference between common control and direct control.
4. What is grade of service?
5. Differentiate satellite communication with terrestrial communication.
6. Give the structure of the character oriented frame.
7. What is a delay system?
8. Is two stage dialing advantageous? Justify your answer.
9. What are the functions of Transportation Layer?
10. A group of 20 servers carry a traffic of 10 erlangs, if the average duration of a call is 3 minutes, calculate the number of call put through by a single server and the group as a whole in a one-hour period.

PART-B (5x16=80 Marks)

11. Describe the basic approaches to the design of a subscriber access to Strowger systems. (16)
12. a) Explain centralized stored program switching in detail. (16)
- (Or)
- b) i) Describe three-stage combination switching with a neat diagram. (10)
- ii) Explain switching system software and call processing software. (6)