

5112

Name:
Reg.No.

EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, JUNE 2010

EC2K 804 – COMMUNICATION SWITCHING SYSTEMS

Time: Three hours

Maximum: 100 marks

(Answer all questions)

1. What is Multiplexing? Explain
2. Briefly explain the time division multiplexing.
3. What is Lees approximation?
4. What are the advantages disadvantages of digital switching system?
5. What is blocking probability? Explain
6. Briefly explain any one blocking model in traffic engineering.
7. What are inband and outband signaling? Explain
8. Briefly explain any one signaling system.

(8x5 = 40 marks)

II. (a) Discuss in detail about Time division switching and Space division switching.

(or)

(b) Discuss in detail about N stage Combinational switching.

III (a) Explain in detail about the salient features of Digital Circuit Switching Networks

(or)

(b) Explain in detail about Analog switching systems.

IV (a) With neat sketch explain the function of various blocks of Traffic engineering.

(or)

(b) Explain the various parametrics that characterize the traffic.

V. (a) With neat sketch, discuss in detail about the basic principles of digital customer line signaling

(or)

(b) Discuss in detail about the ATM Switching and mention its advantages.

(15x4: 60 marks)

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