

Roll No. ....

**22153**

**M. Tech. 2nd Semester (E.C.E.) (Elective - II)  
Examination – May, 2016**

**SWITCHING SYSTEMS**

Paper : MEEC-512

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt any five questions. All questions carry equal marks.*

1. Discuss the various basic line circuit in telephony & telegraphy. 20
2. Write short notes on : 20
  - (i) Long-haul communication circuits.
  - (ii) Statistical band width sharing.
3. Explain in detail the various switching fabrics SDL, TDS, STS and TTT. 20

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4. Explain in detail ISDN and also discuss various ISDN services. 20
5. Discuss the combinational interpretation and also explain the calculation of blocking probability. 20
6. Discuss the switching system hierarchy and also explain SPL switching. 20
7. (a) Explain GOS and Blocking probability of a switching system. 10
- (b) Explain the relationship among different Markov processes using Venn diagram. 10
8. Write short notes on : 20
- (i) Current trends in digital switching system
- (ii) ATM
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