

**MASTER IN BUSINESS ADMINISTRATION  
(MBACT)**

00168

**Term-End Examination**

**December, 2011**

**MCTE-019 : TELECOM NETWORK  
MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 100*

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

1. Define Telecom Network Management and describe its components. 20
2. What are the requirements of Service Integration with TMN ? Explain TMN Management dimension diagram. 20
3. What are TMN component Function Arrangements ? Explain implementation of TMN. 20
4. Describe the basic components of a communication system and data transmission models. 20
5. Draw TMN reference model diagram and explain functions of its components. 20
6. Describe architecture of various types of computer networks and characteristics need to categorise them. 20

7. Describe different components of TMN Reference Model. 20
8. Write short notes on *any three* : 20
- (a) Digital and analog transmissions
  - (b) Communication Protocols
  - (c) Voice Messaging and Teleconferencing
  - (d) Median Device
  - (e) ITU, ITU-T and CCITT
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