

**MASTER IN BUSINESS ADMINISTRATION
(MBACT)**

Term-End Examination

June, 2012

**MCTE-019 : TELECOM NETWORK
MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : Attempt any five questions.

All questions carry equal marks.

1. Describe Architecture of various types of computer networks and characteristics used to categorise them. 20
2. Draw and explain TMN Management dimensions diagram. How does Network element support Network Element Function (NEF) ? 20
3. Explain logical layered Architecture and describe functions performed by various Management layers. 20
4. Define Telecom Network Management and describe its components. 20
5. Describe the basic components of a communication system and Data transmission modes. 20

6. What are the requirements of service integration with TMN ? Explain TMN Management dimension diagram. 20
7. Describe different components of TMN reference model. 20
8. Write the correct answers of *any five* : 20
- (a) The basic requirement for working of a communication system are :
Sender, Medium and Receiver (True/False).
 - (b) Analog signal is measured in volts and its frequency in Hertz. (True/False).
 - (c) In TMN terminology, the switching systems, circuits, Terminators etc., which comprise a telecommunication network are known as :
(OSS, NEs, MDs, adapters) choose one from the bracket.
 - (d) How many OSI layers are there in a TMN network ?
(3,6,11,7)
 - (e) A network's managed information and the rules by which that information is pretended and managed is referred to as :
(MIB, CMII, LDMD, ASN -1)
 - (f) Most TMN function blocks can function as both managers and agents (True/False).