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**MASTER OF BUSINESS ADMINISTRATION
(MBACT)**

Term-End Examination

December, 2013

**MCTE-019 : TELECOM NETWORK
MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : (i) Attempt any five questions.

(ii) All questions carry equal marks.

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1. Describe the basic components of communication system and Data transmission models. 20
 2. What are TMN component function arrangements? Explain implementation of TMN. 20
 3. Explain Data Communication and Networking. What is communication protocol? 20
 4. Describe different components of TMN Reference Model. 20
 5. Draw and explain TMN-Management dimensions diagram. How does Network element support Network element function. 20

6. Describe different components of TMN reference model. 20
7. Describe various communication protocols and Data Transmission Model. 20
8. Answer **any five** : 20
- (a) How many OSI layers are there in a TMN Network ?
 - (i) Three (ii) Six
 - (iii) Eleven (iv) Seven
 - (b) TMN function blocks can function as both managers and agents.
 - (i) True (ii) False
 - (c) Full form of : CCITT
 - (d) Full form of : ATMF
 - (e) Analog Signal is measured in volts.
 - (i) True (ii) False
 - (f) What are system-management functions ?
 - (g) The Q_3 interface is the only interface that the QA_s , MD_s or NE_s may use to communicate directly with the OS :
 - (i) True. (ii) False.
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