

M. TECH.
THEORY EXAMINATION (SEM-II) 2016-17
NETWORK MANAGEMENT

*Time : 3 Hours**Max. Marks : 70**Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.***SECTION- A****1. Attempt all parts of this Section:****7×2=14**

- (a) What is the goal of Network Management?
- (b) Define the transmission data rate of ISDN?
- (c) What is the role of ASN?
- (d) What is remote monitoring?
- (e) Classify the SNMP protocol specifications.
- (f) List the classification of TMN architecture.
- (g) Justify the role of SNMP in ATM management.

SECTION- B**2. Attempt any three parts of the following:****3×7=21**

- (a) Write a note on management information trees.
- (b) Explain SNMP proxy server organization model.
- (c) Explain the ADSL line encoding scheme.
- (d) Explain in detail about the MIB group which contains the information about physical location of component.
- (e) What are the Challenges of Information Technology Manager? Discuss every challenges in brief.

SECTION- C**3. Attempt all questions in this section:****5×7=35**

- (a) Draw the architecture of TMN and TMN management service.
OR
Write about event correlation techniques for network management.
- (b) When communication between the ATM switches is broken, what type of mx interface to be used?
OR
Describe the applications of network management in configuration management and security.
- (c) What is remote monitoring? Explain the relationship between control and data tables.
OR
Explain RMON token ring extension groups.
- (d) Explain the Enterprise Management Solutions.
OR
Explain in detail Network Management Tools.
- (e) Explain the Web Interface to SNMP Management.
OR
Explain the NMS with Web Interface.