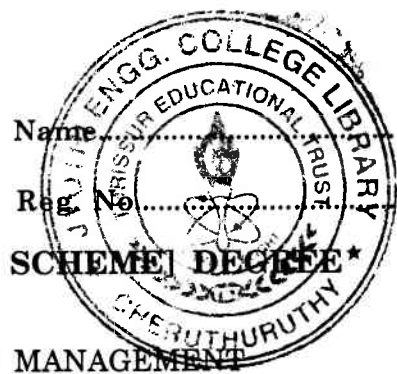


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**EIGHTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE  
EXAMINATION, APRIL 2016**

IT 09 803 L13—NETWORK ADMINISTRATION AND MANAGEMENT

Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all the questions.*

*Each question carries 2 marks.*

1. What is system management ?
2. Draw the two-tier organization model for one manager one agent.
3. What is the function performed by trunk in Telecommunication network ?
4. What is meant by community name ?
5. Give the reasons for network monitoring.

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.*

1. Mention the goals of network management.
2. What is sparse dependent table ?
3. Which layer of OSI reference model contains management application ? And mention about the layer for SNMP.
4. Write notes on server configuration in Windows NT system.
5. List the advantages of using Linux OS.
6. What are the practical issues in using remote network monitoring ?

(4 × 5 = 20 marks)

**Part C**

- I. (a) Describe the tools used for network management.

*Or*

- (b) Explain the methods of controlling the network.

**Turn over**

II. (a) Write the object DESCRIPTOR and syntax of the following SNMP managed entities :

- (i) IP address 125.52.66.24.
- (ii) A row in the interfaces table (the row specifications only, not the object in the row).
- (iii) MAC address of an interface card.

*Or*

(b) Draw the architecture of SNMPv2 Network Management architecture and explain.

III. (a) Explain the groups and functions of RMON.

*Or*

(b) Draw the conceptual model of Telecommunication Network and explain.

IV. (a) Explain risk and file system used for Windows NT system.

*Or*

(b) Describe the methods of network management in Linux systems.

(4 × 10 = 40 marks)