

**IV B.Tech II Semester(R07) Advanced Supplementary Examinations, May 2011**  
**NETWORK MANAGEMENT SYSTEMS**  
**(Information Technology)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE questions**  
**questions carry equal marks**

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1. (a) With the help of a neat sketch explain the network model in detail.  
(b) Explain the various goals and functions of network management.
2. (a) What is RFC. Explain them in detail.  
(b) Draw and explain the SNMP network management architecture.
3. (a) Discuss in detail about the SNMP accesses policy.  
(b) Define protocol entities and explain the different SNMP operations in detail.
4. (a) List and explain the protocol operations of SNMPv2.  
(b) Write short notes on conformance statement in SNMPv2.
5. (a) Give brief description about the RMON1 groups and functions.  
(b) Distinguish between remote monitoring of Ethernet and token ring and monitoring of ATM devices.
6. (a) Draw and explain physical architecture of a TMN.  
(b) Explain the functions and services of telecommunication management network.
7. (a) List and explain the different traffic monitoring tools in detail.  
(b) Discuss in detail about the role of protocol analyzer.
8. (a) Draw and explain the DMI functional block diagram.  
(b) Discuss in detail the java management extensions.

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