Time: 3 hrs   Max. Marks: 80

N.B:
1. **Question No.1** is compulsory
2. Answer any **three** out of remaining questions
3. Assumptions made should be clearly stated
4. Assume any suitable data wherever required but justify the same
5. Figures to the right indicate marks
6. Illustrate answer with sketches wherever required

1 (a) Why is it not possible to access entire table at one time in SNMP V1?   (5)

   (b) Explain probe functions for remote monitoring   (5)

   (c) In a network if 3Com router is added by one of the department, what updates will

      happen in MIB and will SMI be accessed during this process   (5)

   (d). What are the challenges faced by the network managers while managing a network?   (5)

2 (a). Explain physical architecture of Telecommunication Management Network.   (10)

   (b) What is TRAP. What is its purpose. Discuss different types of SNMP traps.   (10)

3 (a) Discuss eTOM business framework with reference to Level 0, Level 1 and Level 3

   processes.   (10)

   (b) Sketch & explain User security model in SNMPV-3.   (10)

4 (a). Draw SNMPv1 Architecture & discuss the messages involved.   (10)

   (b). Explain various M-interfaces used between an ATM end user or device and an ATM
        network.   (10)

5. (a). What is role of ILMI and SNMP in ATM Management? Explain M1 and M2 interfaces

    in detail.   (10)

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(b). Explain the following RMON-1 groups: (10)

       (1) Statistics group.

       (2) Packet Capture group.

6 (a) Describe three scenarios that require event correlation techniques and explain clearly why each one

    needs it. (10)

(b) Discuss conceptual views of managed object with reference to Intenet perspective and OSI perspective

(10)

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