

Duration: 3 Hours

Maximum Marks: 80

N.B.:

- 1. Question No.1 is compulsory.**
- 2. Out of the remaining five questions attempt any three questions.**
- 3. Assume suitable data if required and state it clearly.**
- 4. Figures in brackets to the right indicate full marks.**

- 1 Attempt any FOUR (20)**
 - a What is OMAP in network management. (5)
 - b What are the NMS design considerations. (5)
 - c How is layer management implemented by TMN. (5)
 - d How is an SNMP PDU organised. (5)
 - e What is the role of ILMI and SNMP in ATM network management. (5)
- 2 a Difference between RMON and SNMP. (10)**
b Draw and explain ASN.1 in detailed. (10)
- 3 a Draw and explain in details TMN Layered architecture. (10)**
b Describe two-tier and three tier network management organization model. (10)
- 4 a Illustrate the significance of SNMP Traps and examine the different types of Traps. (10)**
b Explain in detailed policies and procedures in Security management. (10)
- 5 a Explain importance of report management and performance management in network management. (10)**
b Explain different types of event correlation techniques. (10)
- 6 Attempt any TWO**
Write a short note on
 - a SNMP -Organization model. (10)
 - b Remote monitoring (RMON). (10)
 - c Explain components of ATM LAN Emulation Architecture. (10)