

[03 Hour]

[Total Marks: 80]

N.B.

- i) Question No.1 is compulsory.
- ii) Attempt any three from the remaining questions.
- iii) Assume suitable data if necessary stating it clearly.

- Q.1.(a) Why do we need network management? (5)
- Q.1.(b) SNMP v1 commands? (5)
- Q.1.(c) What is CMIP? (5)
- Q.1.(d) What is role of event correlation technique for root cause analysis? (5)
- Q.2.(a) Describe Two-Tier and Three-Tier network management organization model. (10)
- Q.2.(b) What is the difference between Accounting Management and Performance management? (10)
- Q.3.(a) What is broadband network management? (10)
- Q.3.(b) List and describe emerging Web-Based Enterprise management (WBEM) standards. (10)
- Q.4.(a) What are the capabilities of RMON2 over RMON1? (10)
- Q.4.(b) What is Scoping and Filtering in CMIP/CMIS network management standard? (10)
- Q.5.(a) Describe SNMPv3 policy-based security management? (10)
- Q.5.(b) What is Management Information Tree (MIT)? (10)
- Q.6.(a) Draw a neat diagram of TMN layered architecture and explain in detail. (10)
- Q.6.(b) What is fault management? Describe five steps process in fault management. (10)