[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)

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