

(3 Hours)

Max Marks: 80

- Note:**
1. Question No. 1 is compulsory.
  2. Out of remaining questions, attempt any three questions.
  3. Assume suitable additional data if required.
  4. Figures in brackets on the right hand side indicate full marks.

1. (A) Explain the TMN Conceptual model. (05)  
 (B) Write a short note on: Semi Formal and Formal notations. (05)  
 (C) What encoding mechanisms are used by ASN.1 ? (05)  
 (D) What is LAN emulation? (05)
2. (A) State the additional capabilities of RMON2 over RMON1 and explain how these capabilities can be used for an enterprise network management. (10)  
 (B) Describe two tier and three tier network management organization model. (10)
3. (A) What is the difference between accounting management and performance management? (10)  
 (B) List and describe SNMP commands with Syntax. (10)
4. (A) What are the functional requirements of NMS design? (10)  
 (B) What is ATM remote monitoring? (10)
5. (A) Describe the services offered by CMISE. (10)  
 (B) What is policy based security management in SNMP v3. (10)
6. (A) Describe three scenario that require event correlation techniques and explain clearly why each one need it. (10)  
 (B) Describe different Network management models and standards. (10)

=====