

BE-SEM VIII - EXTC  
Elective #: TNM

20 May - 2015

QP Code : 8112

(3 Hours)

[Total Marks : 100

- N.B. (1) Question no. 1 is compulsory.  
(2) Solve any **four** from the remaining.
1. (a) Explain ADSL configuration management 5  
(b) Describe RMON standard 5  
(c) Describe various parameters of managed objects. 5  
(d) What are challenges faced by network managers while managing a network 5
  2. (a) What is fault management? Describe five steps process in fault management. 10  
(b) Explain physical architecture of TMN 10
  3. (a) Explain all CMISE services in following categories: 10  
(i) Management association services  
(ii) Management notification services  
(b) Write a note on management information tree 10
  4. (a) Distinguish between SNMPV2 and CMISE services 10  
(b) Discuss Network management tools 10
  5. (a) Explain user security model of SNMPV3. 5  
(b) List various event correlation techniques and explain one in detail. 5  
(c) Discuss M1, M2 and M4 interface in ATM network management 10
  6. (a) Explain configuration management with respect to network provisioning and network topology. 10  
(b) Explain role of ADSL access network in overall network 10
  7. Write short note on:-  
(i) Network management tools 7  
(ii) Semi Formal and formal notations 5  
(iii) SNMP V3 applications 8