BE - sem - VIII - CBGS - EXTC - TNM   18/5/16

Q.P. Code : 730302

(3 Hours)   **[Total Marks : 80**

N.B. : (1) Question No. **1** is **compulsory**.
        (2) Attempt any **three** out of remaining **five** questions.
        (3) Assume **necessary data** if **required**.
        (4) **Figures** to the **right** indicate **full** marks.

1. (a) Describe FCAPS in network management.   5
   (b) Compare between CMIS/CMIP and SNMP.   5
   (c) Explain the functional architecture of OSI in detail.   5
   (d) Describe State Transition Model based event correlation technique.   5

2. (a) What are the challenges of IT manager?   10
   (b) List and describe emerging network management standards.   10

3. (a) Define network management. State goals of network management.   10
   (b) Differentiate between RMON and SNMP.   10

4. (a) Describe all CMISE services in following categories: 10
        (i) Management association services
        (ii) Management notification services
   (b) Compare between SNMP v1, SNMP v2 and SNMP v3.   10

5. (a) List and describe event correlation techniques.   10
   (b) What is user security model (USM) and VACM in SNMP v3? Describe in   10
       detail.

6. (a) Discuss M1, M2,M3, M4 and M5 interface in ATM network management.   10
   (b) What is fault management? Describe five steps process in fault management. 10

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