Code No: 07A7EC25　　　　　　**R07**　　　　　**Set No. 2**

IV B.Tech I Semester Examinations,MAY 2011
NETWORK MANAGEMENT SYSTEMS
Computer Science And Engineering

Time: 3 hours　　　　　　　　　　　　　　　　　　Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) Explain the implementation of web server on NMS platform.

   (b) Explain briefly the embedded WBM configuration.　　　　　　[8+8]

2. (a) What are the different functional components? Explain.

   (b) Explain briefly about multiple NMS configuration.　　　　　　[8+8]

3. What are the different types of Bridges? Explain each with a suitable example.[16]

4. What are agent capabilities? Give the skeleton of Agent capabilities macro and explain it with the help of an example.　　　　　　　　　　　[16]

5. Explain with a neat diagram the ATM Remote Monitoring.　　　　[16]

6. Describe the SNMP Proxy access policy and SNMP community profile.　[16]

7. (a) Give the complete list of the services provided by TMN.

   (b) Give brief description about management service architecture of TMN. [8+8]

8. Explain the following:

   (a) IRTF, IETF

   (b) Inter NIC

   (c) IANA.　　　　　　　　　　　　　　　　　　　　　　[16]

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Code No: 07A7EC25 | R07 | Set No. 4

IV B.Tech I Semester Examinations,MAY 2011
NETWORK MANAGEMENT SYSTEMS
Computer Science And Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. Describe the SNMP GetNextRequest with indices. [16]

2. What are module definitions? Explain about the Architecture of SNMPV2 Network management on multiple transport Domains. [16]

3. (a) Explain with the help of a diagram, the basic configuration of a protocol analyzer.

   (b) Discuss how a protocol analyzer monitors the network. [8+8]

4. (a) With the help of a flow diagram , illustrate how MBeans are accessed.

   (b) Discuss about Web Client. [10+6]

5. (a) Give brief description about the Physical architecture of TMN.

   (b) Classify and explain about OSI system management functional area.

   [6+10]

6. Encode IP Address 10.20.30.40 in TLV formats. [16]

7. Design the Ethernet LAN using at 10/100 Mbps switched Ethernet hub to handle the following specifications:
   Number of clients = 16 operating at 10Mbps
   Number server = 1
   50% of the traffic is directed to the server
   Draw the configuration and indicate the transmission modes (half-duplex or duplex) on the ports. [16]

8. (a) Explain the various common and Ethernet groups present in RMON1.

   (b) Discuss how data and control tables work together by using the matrix group.
   [8+8]

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Code No: 07A7EC25 **R07** **Set No. 1**

IV B.Tech I Semester Examinations,MAY 2011
NETWORK MANAGEMENT SYSTEMS
Computer Science And Engineering

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. What are the functions of network operations? Explain the OSI network management applications? [16]

2. Explain the following:

   (a) getethers

   (b) etherfind

   (c) snoop

   (d) tcpdump

   (e) iptrace. [3+3+3+4+3]

3. Describe SNMPv2 Structure of Textual Conventions with suitable example. [16]

4. (a) In detail explain the JDMK.

   (b) Explain the simplified WBEM CIM core model. [10+6]

5. Explain the SNMP GetRequest-PDU operation for a System Group with neat diagram. [16]

6. (a) Give brief description about RMON token ring extension groups.

   (b) With the help of a neat diagram explain the RMON1 groups and functions.
   [8+8]

7. What OBJECT TYPE would you use to identify the address of the neighboring gateway from your local gateway? [16]

8. (a) Summarize the scope of the TMN recommendations.

   (b) Explain the different types of TMN telecommunications resources.

   (c) Illustrate the use of TMN standards. [8+4+4]

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Code No: 07A7EC25 **R07** **Set No. 3**

IV B.Tech I Semester Examinations,MAY 2011
NETWORK MANAGEMENT SYSTEMS
Computer Science And Engineering

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) What are the goals of internet management in the original specification? Explain.

   (b) Explain about the traps involved in SNMP management? [8+8]

2. Give brief description about the following:

   (a) Core application services.

   (b) Functional components

   (c) tcpdump. [4+6+6]

3. (a) What is a trap? When does it occur? Explain in detail.

   (b) Explain the following:

   i. MIB
   ii. SNMP Manager. [8+8]

4. What are the different levels in JMX architecture? Explain them in detail. [16]

5. Describe the following in detail:

   (a) Changes to the system group in SNMPv2

   (b) Changes to the SNMP group in SNMPv2. [16]

6. (a) Give the complete list of the services provided by TMN.

   (b) Give the functions of system management functional areas. [8+8]

7. (a) Explain the various functions associated with RMON1 MIB.

   (b) Draw the diagram showing network configuration with RMONs. Explain.

   [8+8]

8. Draw a network configuration and the protocol-layer interface architecture for a multiprotocol bridge that connects an Ethernet LAN and token-ring LAN. [16]

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