Code :R7421203

IV B.Tech II Semester(R07) Regular Examinations, April 2011
NETWORK MANAGEMENT SYSTEMS
(Information Technology)

Time: 3 hours   Max Marks: 80

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

1. Explain in detail about the network management standards.

2. (a) Explain about system overview of SNMP management
   (b) Write the history of SNMP management.

3. Explain the SNMP GetRequest operation for the MIB.

4. Explain the SNMPv2 conformance statements with suitable example.

5. (a) With a neat diagram, explain the RMON1 groups and functions
   (b) Give brief description about the history group of RMON1.

6. (a) Explain the physical architecture of a TMN with a neat diagram.
   (b) Give brief description about TMN management services.

7. (a) Explain the different SNMP MIB tools with example.
   (b) What is the use of protocol analyzer. Explain the basic configuration of protocol analyzer.

8. (a) Explain, how DMI managed objects are managed by the SNMP managers.
   (b) Explain the manger level of JMX architecture.

⋆ ⋆ ⋆ ⋆ ⋆

Code :R7421203

2

IV B.Tech II Semester(R07) Regular Examinations, April 2011
NETWORK MANAGEMENT SYSTEMS
(Information Technology)

Time: 3 hours   Max Marks: 80

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

1. Describe network management goals, organization and function with suitable example.

2. Explain about the structure of management information(SMI).

3. Explain the SNMP GetRequest operation for the MIB.

4. (a) Describe the changes to the system group in SNMPv2.
   (b) Describe the changes to the SNMP group in SNMPv2.

5. (a) Explain RMON1 host group and alarm group
   (b) Explain the ATM RMON MIB.

6. (a) Summarize the scope of the TMN recommendations.
   (b) Explain the trunk systems of TMN model.
   (c) List the various TMN documents.

7. (a) Explain the use of traffic load monitoring.
   (b) Give brief description about protocol analyzer with RMON.
   (c) What are different network routing tools? Explain.

8. (a) Draw the architecture of java dynamic management agent and explain.
   (b) Explain the simplified WBEM CIM core model.

⋆⋆⋆⋆⋆

Code :R7421203

IV B.Tech II Semester(R07) Regular Examinations, April 2011
NETWORK MANAGEMENT SYSTEMS
(Information Technology)

Time: 3 hours   Max Marks: 80

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

1. (a) Describe network operation and the network operations centre (NOC)

   (b) Explain about some common network problems.

2. (a) Write the history of SNMP management.

   (b) Explain about SNMP network management architecture.

3. Describe the SNMP proxy access policy and SNMP community profile.

4. Explain about major changes in SNMPv2.

5. (a) List the various RMON token ring group, tables and their functions?

   (b) Explain the ATM RMON MIB.

6. Explain in detail about the TMN architecture.

7. (a) Explain the use of traffic load monitoring.

   (b) Give brief description about protocol analyzer with RMON.

   (c) What are different network routing tools? Explain.

8. What are the different levels in JMX architecture? Explain them in detail.

⋆⋆⋆⋆⋆

Code :R7421203

$\boxed{4}$

IV B.Tech II Semester(R07) Regular Examinations, April 2011
NETWORK MANAGEMENT SYSTEMS
(Information Technology)

Time: 3 hours   Max Marks: 80

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

1. What are the challenges in managing the network? Explain.

2. Explain about different organizational models of SNMP management.

3. (a) Describe the functional model of SNMP?

   (b) Explain any one of the SNMP PDU format example?

4. Define conformance statements? Identify the differences between OBJECT group macro & notification group macro with the help of examples?

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

   (b) With the help of a neat diagram explain the RMON 1 groups and functions.

6. (a) Compare the functionalities of TMN functional architecture and TMN physical architecture.

   (b) Explain about TMN information architecture.

7. (a) The bit error tester has been used for long time as a network test tool that can test bit error rate and block error rate. Justify?

   (b) List and explain different network status tools?

8. (a) Explain how web servers are embedded in managed objects.

   (b) How can we establish a web server on NMS platform? Explain.

⋆⋆⋆⋆⋆