Code: R7421203

R7

B.Tech IV Year II Semester (R07) Supplementary Examinations, March/April 2013
NETWORK MANAGEMENT SYSTEMS
(Information Technology)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain the implementation of web server on NMS platform.
   (b) Explain briefly the embedded WBM configuration.

2 (a) What are the different functional components? Explain.
   (b) Explain briefly about multiple NMS configuration.

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.

4 Explain SNMPv2 system architecture.

5 (a) Explain the various functions and tables associates with ring station and source routing group of RMON token ring.
   (b) Describe briefly about functions and tables that are related to network layer matrix and application level matrix group of RMON2 MIB.

6 Write short notes on:
   (a) TMN conceptual model.
   (b) TMN standards.

7 The maximum allowed segment for Ethernet is 500 meters and number of segments that can be connected by repeaters is limited to five. The minimum length of the frame that can be transmitted is the sum of the round-trip delay and the repeater delays. Assume the speed of transmission on the cable is 200 meters per microsecond and the total round-trip delay in traversing all the repeaters is 25 μs.
   Show that the minimum frame size (number of bits per frame) of an Ethernet frame is 64 bytes.
   Note: The maximum frame size is 1,518 bytes.

8 Explain how the SNMP NMS acquires address information by considering a case history.

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