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Third Semester M.Tech. Degree Examination, Dec.2014/Jan.2015
Network Management

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Define network management. Explain some common network problems. (08 Marks)
b. With a neat diagram, explain OSI communication architecture. (12 Marks)
- 2 a. Explain the salient points of network management standards. (05 Marks)
b. Describe the OSI management information tree. (05 Marks)
c. Explain the network management functional model with a neat diagram. (10 Marks)
- 3 a. With a neat sketch explain SNMP network management architecture. (10 Marks)
b. Explain the functions of 2 tier and 3 tier SNMP organization model. (10 Marks)
- 4 a. With a neat diagram, explain SNMP community profile and SNMP access policy. (12 Marks)
b. Differentiate between Get request operation over Get next request operation for a system group. (08 Marks)
- 5 a. What is remote monitoring? Mention the advantages of using RMON1 over conventional network management. (10 Marks)
b. Explain groups and functions of RMON1 with a neat diagram. (10 Marks)
- 6 a. Discuss the functions of different broadband access technologies. (10 Marks)
b. Explain protocol layer architecture in an HFC system. (10 Marks)
- 7 a. With respect to event correlation technique, explain
i) Rule based reasoning. (10 Marks)
ii) Model based reasoning. (10 Marks)
b. With a neat diagram explain the policy based management architecture. (10 Marks)
- 8 Write short notes on:
a. Network and system management
b. Macros.
c. Security management.
d. Finite state machine model. (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.