

CBCS Scheme

USN

--	--	--	--	--	--	--	--	--	--

16/17SCN23

Second Semester M.Tech. Degree Examination, June/July 2018 Network Management

Time: 3 hrs.

Max. Marks: 80

Note: Answer FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Describe internet fabric model with diagram. (08 Marks)
b. Illustrate broadband access networks in detail. (08 Marks)

OR

- 2 a. Explain network operations and network maintenance. (10 Marks)
b. Discuss Dumbbell architecture with diagram. (06 Marks)

Module-2

- 3 a. Explain various types of managed object perspectives. (10 Marks)
b. Discuss management information tree with examples. (06 Marks)

OR

- 4 a. Explain various terminologies, symbols and conventions of abstract syntax notation ONE (ASN.1). (10 Marks)
b. Discuss encoding structure with diagram. (06 Marks)

Module-3

- 5 a. Describe SNMP network management architecture with diagram. (10 Marks)
b. Briefly discuss Remote Monitoring (RMON) token ring extension groups. (06 Marks)

OR

- 6 a. Discuss administrative mode with community and community profile diagram in SNMP network management. (10 Marks)
b. Describe relationship between control and data tables in remote monitoring. (06 Marks)

Module-4

- 7 a. Explain cable modem technology with diagram. (10 Marks)
b. Discuss radio frequency spectrum of cable modem. (06 Marks)

OR

- 8 a. Explain asymmetric digital subscriber line architecture with diagram. (08 Marks)
b. Discuss asymmetric digital subscriber line channeling schemes. (08 Marks)

Module-5

- 9 a. Discuss rule based reasoning with diagram. (10 Marks)
b. Briefly explain model based reasoning. (06 Marks)

OR

- 10 a. Describe cryptography technique in security management with examples. (10 Marks)
b. Explain policy based management with diagram. (06 Marks)

* * * * *

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.