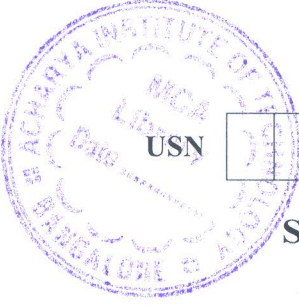


CBCS SCHEME



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18CS742

Seventh Semester B.E. Degree Examination, June/July 2024 Networks Management

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain telephone network model with neat diagram. (10 Marks)
- b. List the top challenges in managing the network and what are the challenges of IT managers in managing the networks. (10 Marks)

OR

- 2 a. With a neat diagram, describe the model of client/server network in distributed computing environment. (10 Marks)
- b. Briefly explain network management functional grouping with neat diagram. (10 Marks)

Module-2

- 3 a. List and briefly explain the salient features of different OSI network management models. (10 Marks)
- b. Briefly explain the networks management standards. (10 Marks)

OR

- 4 a. Explain information model with neat diagram. (10 Marks)
- b. With a neat diagram, explain ASN.1 data type structure and tags. (10 Marks)

Module-3

- 5 a. Explain in brief with a neat diagram, two tier three tier and proxy server SNMP organization model. (10 Marks)
- b. Explain SNMP network management architecture with a neat diagram. (10 Marks)

OR

- 6 a. Briefly explain the structure of managed objects. (10 Marks)
- b. What is SNMP community? Explain SNMP community profile and access policy with neat figure. (10 Marks)

Module-4

- 7 a. Briefly explain HFC technology, with a neat block diagram. (10 Marks)
- b. With a neat diagram, explain the protocol layer architecture of a cable access networks system. (10 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.

OR

- 8 a. What is ADSL technology? With a neat diagram, explain the ADSL access network. (10 Marks)
b. Briefly explain the ADSL configuration and fault management. (10 Marks)

Module-5

- 9 a. With a neat diagram, briefly explain the network and System management. (10 Marks)
b. What is event correlation? Explain case based reasoning in detail with necessary diagram. (10 Marks)

OR

- 10 a. Briefly explain the different authentication system in client server environment. (10 Marks)
b. List and explain the classification of report in report management. (10 Marks)
