

Model Question Paper

Seventh Semester B.E. Degree Examination (2021-22)

NETWORK MANAGEMENT

TIME: 03 Hours

Max. Marks: 100

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

MODULE-1

- 1 a) Discuss the network management functional groupings with neat diagram. (7 Marks)
- b) Define data and Telecommunication network. illustrate IBM System network architecture model? (7 Marks)
- c) Illustrate ISO network architecture management model. (6 Marks)

OR

- 2 a) What are the challenges of information technology managers in managing the network? (7 Marks)
- b) Discuss client server model in Distributed computing environment. (7 Marks)
- c) Briefly illustrate network management Dumbell Architecture. (6 Marks)

MODULE-2

- 3 a) Discuss the salient features of different network management standards. (6 Marks)
- b) Write the ASN.1 notation for Personnel and Record and Trade Message (7 Marks)
- c) Describe management communication transfer protocol? (7 Marks)

OR

- 4 a) Explain the Classification of SNMP ASN.1 data types, with neat diagram? (8 Marks)
- b) Write short notes on TLV encoding structure? (8 Marks)
- c) Explain II tier and III tier network organizational model (8 Marks)

MODULE-3

- 5 a) Define and Explain SNMP access policies in SNMP Management? (8 Marks)
- b) Explain SNMP network management architecture, with a neat diagram? (8 Marks)
- c) What is RMON? With figure explain RMON probe (6 Marks)

OR

- 6** **a)** With a neat diagram, explain the RMONI group and functions? **(8 Marks)**
 b) Explain RMON2 management information base with details **(7 Marks)**
 c) List out the Difference between RMON1 & RMON2 **(5 Marks)**

MODULE-4

- 7** **a)** Briefly Explain HFTC technology **(10 Marks)**
 b) Describe the Broadband Access Technology? **(10 Marks)**

OR

- 8** **a)** What is ADSL technology? Explain simplified ADSL access network **(10 Marks)**
 b) With sufficient background, write DSL and ADSL technology with encoding schemas of ADSL? **(10 Marks)**

MODULE-5

- 9** **a)** List six approaches to correlation techniques. Describe any three in detail in connection to fault performance management? **(10 Marks)**
 b) Explain policy management architecture? **(10 Marks)**

OR

- 10** **a)** Explain policy management architecture? **(10 Marks)**
 b) Explain classification of reports in report management? **(10 Marks)**