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Question Paper Code	12243
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M.E. / M.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023
Third Semester
M.E. - Computer Science and Engineering (Specialization in Networks)
20PCNEL301 - NETWORK MANAGEMENT
(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|--|-------------------------------|
| 1. What are the functions of organization model? | 2,K1,CO1 |
| 2. What is CMIS? | 2,K1,CO1 |
| 3. What is Virtual LAN? | 2,K1,CO2 |
| 4. What is the purpose of M1 Interface? | 2,K1,CO2 |
| 5. Inspect the FCAPS in network management. | 2,K2,CO4 |
| 6. What are the objectives of Security Management? | 2,K1,CO4 |
| 7. Draw the parts of network management system. | 2,K2,CO5 |
| 8. What does System Management mean? | 2,K1,CO5 |
| 9. List the goals of Web Interface. | 2,K1,CO6 |
| 10. What is Web Based Enterprise Management? | 2,K1,CO6 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Discuss about the OSI network management communication model and information model with neat diagram. 13,K2,CO1
- OR**
- b) Explain in detail about ASN.1 with reference to the terminology, symbols and conventions. 13,K2,CO1
12. a) Explain about the ATM technology and Virtual path and virtual circuit. 13,K2,CO2
- OR**
- b) (i) Determine the role of SNMP and ILMI in ATM management.. 6,K2,CO2
(ii) Evaluate the need of M3 interface and M4 interface. 7,K2,CO2
13. a) Explain the following 7,K2,CO4
(i) Report Management. 6,K2,CO4
(ii) Service Level Management.

OR

- b) Briefly explain the Fault management and Event Correlation Techniques in detail. *13,K2,CO4*

14. a) Explain any four Network management tools with a neat diagram and an example. *13,K2,CO5*

OR

- b) Compare and contrast Enterprise Network Management system with Commercial Network Management. *13,K2,CO5*

15. a) Discuss in detail about the Java Management Extension (JMX) agents and its components. *13,K2,CO6*

OR

- b) Explain the following
- (i) Embedded Web-Based Management. *7,K2,CO6*
 - (ii) Desktop management Interface. *6,K2,CO6*

PART - C (1 × 15 = 15 Marks)

16. a) Analyze the SNMP V2 system architecture and major changes in SNMP V2. *15,K3,CO3*

OR

- b) Compare and contrast SNMP V1 and SNMP V2. *15,K3,CO3*