

# School of Computing Science and Engineering

B.Tech CSE  
ETE - Jun 2023

Time : 3 Hours

Marks : 50

## Sem VI - BTCS9504 - Network Operating System

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

1. How groups help in easing the system administration in Linux operating system. K4 CO4 (2)
2. Elaborate the different Accessing Methods of a File? K4 CO4 (2)
3. Write the LINUX command to change the password of a user called "jyoti" to "D93ef!kM\$". Who can run this command? K2 CO2 (2)
4. Define network protocol? Explain the network model used by Win-NT K3 CO3 (2)
5. Define domain role in Windows 2000? How does it enhance its functionality? K1 CO1 (2)
6. How clustering and Load balancing is performed in network operating system? Also discuss various storage management strategies used for network operating system. K3 CO3 (5)
7. Which file system can be used to change certain kernel parameters at runtime using sysctl command? K6 CO6 (6)
8. What type of recursive procedures can be converted in to iterative procedure without using stack. Explain with example. K4 CO4 (5)
9. NFS and TCP seems to be contradictory, but NFS still operate over TCP. Justify the role of RPC in managing the contradiction between NFS and TCP K5 CO5 (8)
10. Classify and explain the different types of file permission system of users in Linux operating system. K5 CO5 (8)
11. "File attributes play important role in file handling". Justify the statement. K4 CO4 (8)