

Integ. MSc (CS) Sem.-3 Examination
Open Source Software
January-2024

Time : 3-00 Hours]

Max. Marks: 35

- Instructions: 1] Figure to the right indicates full marks.
2] All Questions are compulsory.

Q.1 Answer the following: 20

1. Differentiate Proprietary software and Open source software.
2. Discuss the difference between copyleft and copyright.
3. Explain decision making and looping structure in shell script with syntax and examples.
4. What is an operating system? Explain the features of the Linux operating system in detail.
5. Explain types of file system permissions with commands.

Q.2 Do as directed (Any two) 10

1. Write a shell script to find the factorial of a given number n.
2. Write a shell script that performs simple arithmetic operations on a user input.
3. Write a shell script to find largest of three numbers.

Q.3 Answer the following: 5

1. which command searches for the word "rose" in the new.txt file?
 2. What is the shell script?
 3. Give the name of five operating systems.
 4. What is the use of head and tail commands?
 5. What is the difference between mkdir and rmdir commands?
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