

**SUTEX BANK COLLEGE OF COMPUTER APPLICATIONS & SCIENCE,  
AMROLI  
F.Y.B.Sc.D.S.A. DIV I**

**ASSIGNMENT- III**

**SEMESTER: 2<sup>nd</sup>**

**SUBJECT: 203 – Operating System - I**

**Submission Date : 25/02/2025**

**Long Questions:**

1. What are the different versions of Linux? Compare their features.
2. Describe the main components of the Linux operating system.
3. Explain the directory structure of Linux.
4. Explain the process of installing Linux on a system.
5. What are the steps for installing open-source software in Linux?

**Material Url:**

[Unit 1:](#)



[Unit 2:](#)



Asst. Prof. Hitesh Patel

Div – I

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**ASSIGNMENT- IV**

**SEMESTER: 2<sup>nd</sup>**

**SUBJECT: 203 – Operating System - I**

**Submission Date : 25/02/2025**

**Long Questions:**

1. Explain the functions of device management in an operating system.
2. Explain disk space management techniques in an operating system
3. What is disk allocation? Describe various disk allocation methods.
4. Discuss different disk scheduling algorithms with examples.
5. Compare FCFS, SSTF, SCAN, and C-SCAN disk scheduling algorithms.

**Material Url:**

[Unit 1:](#)



[Unit 2:](#)



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