

**OBJECTIVE:** The objective of this paper is to identify the foundation terms and concepts that are commonly used in field of Operating system this course will give complete descriptions about the terms used in field of Operating system

**QUESTIONS:**

1. What is an Operating System?
2. Explain Page-replacement Algorithms in Operating System.
3. Explain the Critical-Section Problem for the Process Synchronization in OS.
4. Explain Deadlocks, Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection, Recovery from Deadlock in an Operating system.
5. Explain the Semantics Security in an Operating system.

**PROCEDURE:**

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

**OUTCOME:**

After doing this assignment, students will come to understand the important terminologies to related to the Operating system

**REFERENCE BOOKS:**

- [R1] Madnick E., Donovan J., "Operating Systems", Tata McGraw Hill, 2001
- [R2] Tannenbaum, "Operating Systems", PHI, 4th Edition, 2000
- [R3] An Introduction to Operating Systems: Concepts & Practice, Bhatt, PHI