

**B.Sc. V Semester
(Computer Science)**

Unit-I

What is an Operating system, Operating system concept -- Process, files, the shell, system calls, system calls for process management, signaling, operating system structure, concept of file management .

Unit-II

Introduction to process, the process models, implementation of process, threads, Process scheduling - Round Robin, Priority, Shortest Job First and Real time scheduling.

Unit-III

Deadlocks - Principles of deadlocks, Basic memory management, file system management, directories, file structure.

Unit-IV

IDE of VB Project, types of VB project, Explorer, Toolbox, Property Window, Form designing, Variables, Scope and Life time of variables, Procedures, Function, control flow, conditional statement, loops, designing menus.

Unit-V

Text control, Label, Option, Check box, Picture box, Image box, common dialog box controls, the scroll bar, scroll command, Combo box, List box. Multiple Document Interface (MDI) and SQL Database programming - Data controls, ADO control.

Text Books

1. Andrew, S. Tannenbaum - Operating System Design & Implementation
2. Madnic - Operating System
3. Galvin, S. - Operating System
4. Evangelos Peroustos - Mastering in Visual Basic, BPB Publication 1st Ed. 1993.

