

**Module 1****Chapter 1 : Introduction to System Software 1-1 to 1-12**

**Syllabus : Introduction to System Software :** Concept of System Software, Goals of system softwares, system program and system programming; Introduction to various system programs such as Assembler, Macro processor, Loader, Linker, Compiler, Interpreter, Device Drivers, Operating system, Editors, Debuggers.

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**Module 2****Chapter 2 : Assemblers 2-1 to 2-25**

**Syllabus :** Elements of Assembly Language programming, Assembly scheme, pass structure of assembler. Assembler Design : Two pass assembler design and single pass Assembler, Design for Hypothetical / X86 family processor, data structures used.

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