UNIT I  THE 8086 PROCESSOR - SOFTWARE ASPECTS  9
Evolution of Microprocessors - 8086 architecture – Addressing modes - Instruction set and assembler directives – Assembly language programming – Interrupts and interrupt service routines.

UNIT II  8086 SYSTEM DESIGN  9
8086 signals description – Basic configurations - System bus timing –System design using 8086 – Minimum mode /Maximum modes 8086 system and timings.

UNIT III  INTERFACING CONCEPTS  9
Memory Interfacing and I/O interfacing - Parallel communication interface – Serial communication interface – Timer – Keyboard /display controller – Interrupt controller – DMA controller – Programming and applications.

UNIT IV  ADVANCED PROCESSORS  9

UNIT V  BUILDING SYSTEMS  9

TOTAL  = 45

REFERENCES