

3. MICROCOMPUTERS: DESIGN & APPLICATIONS**UNIT: 37****Author: Prof. Anshul Kumar**

S. No.	Title	CD No.
1.	Introduction and Historical Perspective	1549
2.	Features & Nature of Applications	1550
3.	8 Bit Microprocessors: Introduction to INTEL 8085	1551
4.	Intel 8085 Processor Instruction Set (Contd.)	1552
5.	8085 Processors Bus Signals & Timings	1553
6.	8 Bit Micro Processors - 6800 & Z- 80	1554
7.	Instruction Set of 8 Bit Microprocessors (Contd.) and Programming Examples	1555
8.	Memory Organisation Instructions	1556
9.	Random Access Memories (Components)	1557
10.	Micro Computer Lab Experiments-1	1558
11.	Answer the to Questions Minor Test - 1	1559
12.	Interfacing Memory to Microprocessor	1560
13.	Lab Experiment - 2; Embedding Microprocessors in Analog World	1561
14.	Interfacing Memory to Microprocessor (Contd .)	1562
15.	Input /Ouput Techniques	1563
16.	Programmed Data Transfer (Example)	1564
17.	Interrupts	1565
18.	Multiple Interrupts	1566
19.	Interrupt Programming	1567
20.	Interrupts - Response Time, Controller Chip	1568
21.	Serial Input / Output	1569
22.	Serial Data Transfer	1570
23.	Lab Exercise No. 3	1571
24.	DMA Transfer	1572
25.	DMA Controller	1573
26.	Peripheral Devices	1574
27.	Controller and Other Simple Peripherals	1575
28.	Peripheral Device for Interaction with Environment	1576
29.	Introduction to INTEL8751	1577
30.	Micro Controllers - INTEL 8751	1578
31.	Other Micro Controllers	1579
32.	Printer Interface	1580
33.	CRT Display Interface	1581
34.	Disk Drives and Interfacing	1582
35.	16 &32bit Microprocessor,	1583
36.	Memory Management in Intel 80286/ 80386	1584
37.	Summary of the Course	1585