Fourth year of Five Years integrated M.Sc (Physics) M.Sc IV, Semester –VIII MP 406: Microprocessor		Т	P	С
		2	0	5
INTRODUCTION TO MICROPROCESSOR-8085 Basic 8085 microprocessor architecture and its functional blocks, 80 microprocessor IC pin outs, Memory and Address, data and control buse Clock signals, Instruction cycles, Machine cycles, Timing states, Instructitiming diagrams.	es,	((06 Ho	urs)
 PROGRAMMING 8085 MICROPROCESSOR Basic 8085 instruction set, Programming Techniques with Addition Instructions, Counters and Time delays, Stack and Subroutines, Co Conversion, BCD Arithmetic, and 16-Bit Data Operations. 		((06 Ho	urs)
 8085 INTERFACING Bus interfacing concepts, Timing for the execution of input and output (I/instructions, I/O address decoding, Memory and I/O interfacing, Serial I lines of 8085. 		((06 Ho	urs)
 INTERRUPTS Interrupt structure of 8085, RST(restart) instructions, vectored interrupt interrupt process and timing diagram of interrupt instruction execution. 	upt,	((08 Ho	urs)
INTERFACING PERIPHERALS (I/OS) AND APPLICATIONS Interfacing Data Converters, Programmable Interface Devices, Gener Purpose Programmable Peripheral Devices, Serial I/O and Da Communication, Microprocessor Applications.		((08 Ho	urs)
ADVANCE MICROPROCESSORS Introduction to Microprocessor-8086, Comparision between 8085 and 808 Developement of x86 series of microprocessors and microcontrollers. (Total Contact)	986, t Time (Theory) :	•	08 Hoo	urs)

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BO 1.	OOKS RECOMMENDED : Gaonkar R. S.	Microprocessor architecture, programming and applications: With the 8085/8080A	Wiley Eastern	1995
2.	Srinath N. K.	8085 Microprocessor programming and interfacing	Prentice Hall	2005
3.	Uffenbeck J.	Microcomputers and microprocessors : The 8080, 8085 and Z-80 programming inferfacing and troubleshooting	Prentice Hall	2005
4.	Ghosh P. K. and Sridhar P. R.	0000 to 8085: Introduction toMicroprocessors for engineers and scientists	Prentice Hall	2006
5.	Rafiquzzaman M.	Microprocessors and Microcomputer-Based System Design	CRC Press	1995