

[Time:2.30 Hrs]		[Marks:75]
Please check whether you have got the right question paper.		
N.B:	1. All question are compulsory. 2. Figures to the right indicate full marks. 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.	

Q1.	Attempt <u>any three</u> of the following a. State the features of 8085. b. Draw and explain pin diagram of 8085 c. Write note on 1. Chip select 2. Address latch enable d. Explain architecture of 8085 e. Draw and explain flag registers of 8085 microprocessor f. Write note on 1. ALU 2. Timing and control unit	15
Q2.	Attempt <u>any three</u> of the following a. Draw and explain flag registers of 8085 microprocessor. b. Explain Data transfer operation with Example c. Explain architecture of Intel 8085 d. Explain following instructions with details 1. MOV M, Rs 2. LDA 16 bit address e. Explain data transfer group and logical group with proper examples f. Explain de multiplexing of address/ data bus of 8085	15
Q3.	Attempt <u>any three</u> of the following a. Give details 1. MOV DPTR, # 3000H 2. SUB D. b. Explain arithmetic and branching group with examples c. What is modulo ten counter? d. Explain the Programmed I/O and Interrupt driven I/O in detail? e. Explain Hexadecimal counter f. Explain following instructions with details 1. STA D000H, 16-bit immediate data 2. MOV A, C	15
Q4.	Attempt <u>any three</u> of the following a. Write note on interrupts of 8085 b. Compare compiler and cross compiler c. Write note on simplex and duplex transmission d. Write an algorithm, flowchart and program to add content of 20H and 45H and store result in 60H e. Show the table of Binary to BCD conversion with explanation f. Write note on assembler and cross assemblers	15
Q5.	Attempt <u>any three</u> of the following a. What are the specialities of Pentium processors? b. List Pentium 4 processor features. c. List SPARC registers. d. Draw and explain pin diagram 8155 e. Write a note on control registers f. Note down the features of 8155	15