

(ELE N 4303-1)

B.Sc (MECS) Degree (CBCS) Examinations, JULY -2022

IV SEMESTER

MICRO PROCESSOR SYSTEMS

TIME :3.00 Hours

Maximum : 60 Marks

Section - A**Answer any FIVE questions.****5x4=Marks.**

1. Explain different registers available in 8085 microprocessor?
2. Explain about priority – based interrupts in 8085?
3. Explain segment registers available in 8086 microprocessor?
4. Explain flag registers in 8086 processor?
5. Explain instruction cycle and machine cycle?
6. Write an ALP for division of two 8-bit numbers?
7. Explain different types of interfacing in 8085?
8. Explain of operating modes of 8255?
9. Explain instruction set for ARM processor?
10. Programming model for ARM processor?

Section - B**Answer All questions.****5x8=40Marks**

11. A) Explain Intel 8085 microprocessor architecture with a neat diagram?
(or)
B) Explain Intel 8085 microprocessor pin configuration with a neat diagram?
12. A) Explain Intel 8086 microprocessor architecture with a neat diagram?
(or)
B) Explain different addressing modes in 8086 microprocessor?
13. A) Explain different addressing modes of 8085 with examples?
(or)
B) Write an ALP for largest number in an array?
14. A) Draw the block diagram of PPI 8255 and explain?
(or)
B) Explain DMA controller with a neat diagram?
15. A) Explain instruction set for ARM processor?
(or)
B) Programming model for ARM processor?

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