

C 80699

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Name:

Reg. No.

**FOURTH SEMESTER B.TECH. (ENGINEERING) (09 SCHEME)
DEGREE EXAMINATION, APRIL 2015**

IT/CS 09 406/PTCS 09 405—MICROPROCESSOR BASED DESIGN

Time : Three Hours

Maximum : 70 Marks



Part A

Answer all questions.

1. What is the function of motherboard ?
2. What is a modem ?
3. What is an interrupt hook ?
4. What is the need for disk file in programming the microprocessor ?
5. Where VESA bus is used ?

(5 × 2 = 10 marks)

Part B

Answer any four questions.

1. What is the function of parallel interface ?
2. What do you mean by modular programming ?
3. With a figure explain how DAC interface works.
4. Write about dynamic RAM.
5. Write about 8237 DMA controller.
6. Discuss the operation of ISA bus.

(4 × 5 = 20 marks)

Part C

Answer all questions.

1. Explain in detail about graphic adapters and monitors.

Or

2. Explain in detail about CMOS RAM and real clock.
3. Discuss in detail about memory paging.

Or

4. Explain in detail about data movement instructions.

Turn over

5. Explain the memory decoding circuit of 80486 processor.

Or

6. Explain about the working of 64 bit pentium memory interface.

7. Describe about 8259A interrupt controller.

Or

8. Discuss the operation of PCI bus.

(4 × 10 = 40 marks)