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FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2007

Computer Science

CS 105—ADVANCED MICROPROCESSOR

(2005 Admissions)

Maximum : 80 Marks

Time : Three Hours

Part A

Answer any **five** *questions.*
Each questions carries **8** *marks.*

1. Explain Input Output Processor ?
2. What is the purpose of cache memory ? Explain.
3. What are interrupts ? Explain different types of interrupts in 8085.
4. Write an assembly language program in 8086 to add two words, each word contains four packed BCD digits ?
5. Explain the different scan codes.
6. Differentiate between minimum mode and maximum mode.
7. Explain file allocation table.

(5 x 8 = 40 marks)

Part B

Answer any **four** *questions.*
Each question carries **10** *marks.*

8. What is addressing mode ? What are the different types of addressing modes in 8086 ? Explain with Examples.
9. What are Assembler Directives ? Explain different directives.
10. Discuss Video and Keyboard operations.
11. Describe BIOS in detail.
12. Explain Advanced Input/ Output Mouse operations in detail.
13. Explain the features of Power PC Microprocessor.

(4 x 10 = 40 marks)