D 41455

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2008

Computer Science

CS 105—ADVANCED MICROPROCESSOR

(2005 admissions)

Time : Three Hours Maximum : 80 Marks

Part A

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

1. Draw and Explain the block diagram of 8085.

2 Compare the standard I/O and memory mapped I/O.

3 Explain different maskable and non-maskable interrupts in 8088.

4 Write an assembly language program to compare two strings.

5 How data from keyboard is read via a DOS function call. Explain.

6 Discuss Program loading and overlays.

7 Explain the features of Motorola processors.

(5 x 8 = 40 marks)

Part B

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

8 What is DMA transfer. Explain in detail.

9 Write an assembly language programme to add two 16-bit numbers.

10 What are different types of segment registers in 8086 ? Explain the importance of each segment.

11 What are the different video modes ? Explain.

12 Explain macros in detail.

13 Discuss the features of Pentium Microprocessor.

(4 x 10 = 40 marks)