C 47635

SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, JUNE 2008

ME 04 603 – COMPUTER INTEGRATED MANUFACTURING

(2004 admissions)

Time : Three Hours

Maximum :100 Marks

Answer Question I.

Answer (a) or (b) part from Question II to Question V.

I. Answer the following :

1. Explain the fundamentals of Numerical control.

2. Differentiate NC and CNC.

3. What is tab sequential?

4. Explain Post processor.

5. Explain multi-class coding system.

6. Write notes on vehicle guidance.

7. Describe Robot anatomy.

8. Write the importance of sensors in robots.

(8 × 5 = 40 marks)

II. (a) Explain open loop and closed loop systems.

Or

(b) Write feature of NC machine tools.

III. (a) Explain contour programming.

Or

(b) Write *one* Part programming example.

IV. (a) Explain components of PLC.

Or

(b) Describe part families.

V. (a) Describe Robot control system.

Or

(b) Explain the components of FMS.

(4 × 15 = 60 marks)