Subject Code 6023

M. Tech. EXAMINATION

(First Semester)

(Main/Re-appear Batch 2011)

MECH. ENGINEERING

MELP-714

CNC Technology and Programming

Time: 3 Hours

Maximum Marks: 70

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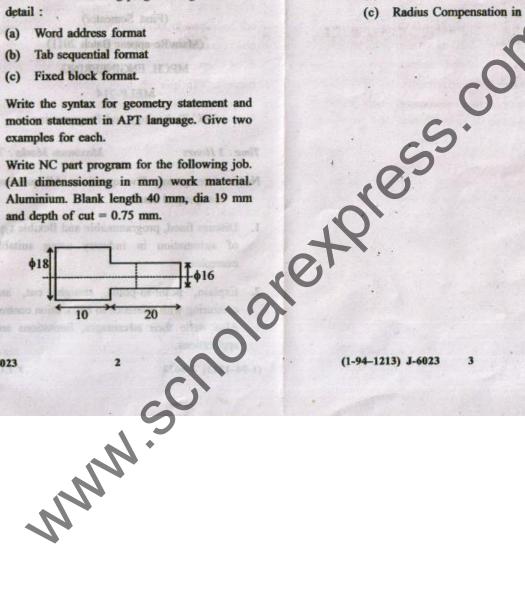
Note: Attempt any Five questions. All questions carry equal marks.

- Discuss fined, programmable and flexible type of automation in industry using suitable examples.
- Explain, point-to-point, straight cut, and contruring with reference to NC motion control. Also write their advantages, limitations and applications.

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P.T.O.

- 3. Briefly explain and describe with neat sketch, the principle and working of:
 - (a) Encoder
 - (b) Stepper Motor.
- 4. Describe the following programming formats in detail:
 - Word address format
- 5. Write the syntax for geometry statement and
- 6. Write NC part program for the following job.



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- 7. Write a small note on coating used in Cutting tools.
- 8. Write short notes on the following :
 - Post Processor
 - D Well
 - (c) Radius Compensation in cutting tool.

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