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Roll No. ....

## AU/IP/ME/IM-303(N)

**B. E. (Third Semester) EXAMINATION, Feb., 2010**

(New Scheme)

(Common for AU, IP, ME & IM Engg.)

### PRODUCTION PROCESSES

*Time : Three Hours*

*Maximum Marks : 100*

*Minimum Pass Marks : 35*

**Note :** Attempt either part (a) or part (b) of each question.  
All questions carry equal marks.

1. (a) List out comparisons between line and angular measurement. Explain with diagram one linear and one angular measurement device.

*Or*

- (b) Explain briefly with figure the measurement of geometric forms :

- (i) Straightness
- (ii) Flatness
- (iii) Roundness
- (iv) Circularity

2. (a) With a neat sketch explain the difference between orthogonal and oblique cutting.

- (b) Draw and explain Merchant circle diagram form.

3. (a) What are the different types of pattern ? Explain any three types in detail.

*Or*

- (b) Explain centrifugal and dye casting with neat sketch.

4. (a) Define the process of forging and explain upset forging. What are its applications ?

*Or*

- (b) Press working finds a wide application in day to day life. Explain with reference to shearing, punching, piercing, blanking.

5. (a) Write a note on electric arc welding. What are the equipments required ? Write down specification of electrodes.

*Or*

- (b) Write a note on gas welding. What are the various gases used ? Explain the formation of different types of flames.