http://www.kuonline.in

http://www.kuonline.in

Unit II

3. Write short notes on the following plastic processing methods:

- (a) Injection Moulding
- (b) Compression Moulding.
- 4. (a) Describe the following thread manufacturing methods:
 - (i) Casting
 - (ii) Thread Chasing.
 - (b) Define the term 'Thread Rolling'. Also discuss the process of thread measurement and inspection.

Unit III

- Describe various theories of yielding in metal working processes. Also describe in brief effect of various variables on Metal Working Processes.
- 6. Write short notes on the following:
 - (a) Extrusion
 - (b) Rolling.

Roll No. Total Pages: 03

BT-7/D-13

8754

ADVANCED MANUFACTURING TECHNOLOGY
ME-419-E

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt Five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

Unit I

- (a) Explain the process of 'Electroforming' in brief. Also discuss some of its advantages and applications.
 - (b) What are the various types of 'Surface Treatments' ? Discuss paint coating and slushing also.
- 2. (a) Describe the process of fabrication of CMC and MMC composites ?
 - (b) Discuss special methods employed for the machining, cutting and joining operations of composites.

(1-19) L-8754

P.T.O.

http://www.kuonline.in

Unit IV

- 7. Explain with neat sketch the working of Hot Chamber and Cold Chamber die casting machines.
- 8. What are the various elements of cost of a product and how these are estimated? Discuss in detail.

6,800