Roll No.

37175

Printed Pages: 2

BT-7 / M-19 ADVANCED MANUFACTURING TECHNOLOGY Paper-ME-429N

Time allowed: 3 hours] [Maximum marks: 75

Note: Attempt only five questions, selecting at least one question from each unit.

Unit-I

- 1. (a) Describe various types of surface cleaning and surface treatment methods.
 - (b) Discuss the advantages, limitations and applications of Electroforming process.
- 2. (a) What do you mean by composite? How composites are different from alloys? Enumerate various applications of composite materials.
 - (b) Explain the fabrication processes used for making particulate composites.

Unit-II

- 3. (a) Differentiate between Thermosetting polymers and Thermoplastic polymers. What is the role of additives in these polymers?
 - (b) Illustrate Compression Moulding process with Neat Sketch.

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Turn over

	Desc	ribe the followign processes:	
	(a)	Thread Chasing	5
	(b)	Tapping	5
	(c)	Thread Milling	5
		Unit-III	
	Illustrate the effect of various variables on the mechanica working processes. Describe the advantages and limitations of		
	Hotv	working and cold working processes.	15
	Explain with neat sketches working and application of the		
	follo	wing processes in detail:	
	(a)	Drawing	8
	(b)	Power Rolling	7
Unit-IV			
	Illustrate with neat sketches the working of Hot chamber di casting mechine. Describe various factors involved in the desig of Die casting dies.		
		nt are the important methods of 'cost estimation' nerate the major steps and chief factors in cost estim	

4.

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