## B037414(037)

## B. Tech. (Fourth Semester) Examination, April-May 2021

(AICTE Scheme)

(Mechanical Engg. Branch)

## MANUFACTURING PROCESS

Time Allowed: Three hours

Maximum Marks: 100

Minimum Pass Marks: 35

Note: Attempt all questions. Part (a) of each question is compulsory and carries 4 marks. Solve any two parts from part (b), (c) & (d) and carries 8 marks each.

## Unit-I

1. (a) What is core and core print?

(d) Explain the process of indexing in milling machine. B037414(037)

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	(b) What is Pattern? Discuss the various types of pattern	
	allowances.	8
	(c) Explain various types of casting defects.	8
	(d) Explain continuous casting and centrifugal casting	
	with neat sketch.	8
	Unit-II	
2.	(a) Write classification of welding process.	4
	(b) Explain with diagram atomic hydrogen welding.	8
	(c) Explain the principle and working of submerged arc	
	welding (SAW) process.	8
	(d) Describe the principle and working of oxyacetylene	
	gas welding process.	8
	Unit-III	
3.	(a) Explain principle of resistance welding.	4
	(b) Explain the principle and working of spot, seam and	
	projection welding.	8

B037414(037)