

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Manufacturing Processes - II

Subject Code : 4TE05MPR1

Branch: B.Tech (Mechanical)

Semester: 5

Date: 27/11/2019

Time: 10:30 To 01:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(14)
	a) What is misrun in a casting?	01
	b) What is the function of core in casting?	01
	c) List out properties of sand used in casting.	01
	d) Define pattern.	01
	e) Give the chemical reaction neutral flame.	01
	f) Define straight polarity.	01
	g) Write the principle arc welding.	01
	h) List out defect generated in metal forming process.	01
	i) Give the example of component produced by forging process.	01
	j) Which are changes in dimension of component produced by rolling process.	01
	k) Define MEMS process.	01
	l) What is nanometer?	01
	m) Write the application of blow molding.	01
	n) Define Elastomers.	01

Attempt any four questions from Q-2 to Q-8

Q-2	Attempt all questions	(14)
	a) Define manufacturing process and enlist various manufacturing processes.	07
	b) Which are the types of production system? Define it and write down the advantage and disadvantages.	07
Q-3	Attempt all questions	(14)
	a) List different types of patterns and explain any two in detail.	07
	b) Briefly enumerate the steps in sequence for producing casting from shell moulding.	07
Q-4	Attempt all questions	(14)
	a) Enlist various types of core. Explain any three cores with suitable sketch.	07
	b) Discuss with neat sketch TIG welding process. State advantages and	07



