TED (10)	2002		46		
TED (10)	⊢3003			Reg. No	
(REVISION-	—2010)			Signature	
	SECOND SEME		MA EXAMINAT ING—MARCH	TION IN MECH	IANICAL
		MANUFA	CTURING PROCI	ESS	
					[Time: 3 hours
		(Maxin	num marks: 100	))	
			760		
			PART—A		Marks
I Aı	nswer all question	is in one or two	sentences. Each	question carries	2 marks.
1.			properties of mate		
2.	What is the us	se of radius gaug	ge ?		
3.	Distinguish ful	lers and flatters.			
. 4.	List the equip	nents required fo	or oxy-acetylene	welding.	
5.	How does a r	ip saw differ fro	om crosscut saw	?	
					(5x2=10)
			PART—B		
II Ans	swer any five que	stions. Each que	estion carries 6 r	narks.	
1.	Explain the term				
2.	List the various calipers.	instruments used	for linear meas	surements. Explain	n the use of
3.	State the precau	tions to be taker	n while using a r	micrometer.	
4.	Illustrate punchi	ng and drifting.			
5.	Compare arc an	d gas welding.			
6.	What is mean b	y setting of saw	teeth? Why it	t is done ?	
7.	Explain single c	ut and double cu	t files.		(5x6=30)
			PART—C		

(Answer one full question from each unit. Each question carries 15 marks.)

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III (a) Explain the procedure to conduct tensile test.

(b) Describe the principle of Magna flux test.

OR

			Marks
IV	(a)	State the advantages of Brinell test over other hardness test.	7
	(b)	Explain ultrasonic tests with suitable sketches.	8
		Unit - II	
V	(a)	Write short notes on: (i) Odd leg caliper (ii) Feeler gauge.	8
	(b)	Sketch and describe the operation of an outside micrometer.	7
		OR	
VI	(a)	Describe the following: (i) Wire gauge (ii) V-block.	8
	(b)	With a neat sketch explain the operation of a universal bevel protractor.	7
		Unit – III	
VII	(a)	Describe the working of atomic hydrogen welding with sketch.	8
	(b)	Enumerate leftward and rightward techniques.	7
		OR	
VIII	(a)	Explain the working of Thermit welding with sketch.	8
	(b)	Write short notes on electrodes for arc welding.	7
		Unit – IV	
IX	(a)	State the advantages of dry sand mould over green sand mould.	8
	(b)	Explain the pattern allowances. State the types of allowances.	7
		OR	
X	(a)	Write short notes on :	
		(i) Scraping (ii) Reaming (iii) Filing (iv) Drilling.	8
	(b)	Name and explain the use of different types of chisels used in fitting shop.	7