GBGS SCHEME

		(C	MELING GUER				
U	ISN			15AU36			
		Third Semester R F	Dograe F				
		Manual Manual	. Degree Examination, J	une/July 2018			
		manu	acturing Process -	• 1			
-	Γime	2: 3 hrs.		M			
		() () () () () () () () () ()		Max. Marks: 80			
		Note: Answer any FIVE full qu	estions, choosing one full quest	ion from each module			
				j			
1	a	List the steps involved in sand	Module-1				
	b	What is a pattern? What are th	e functions of pattern?	(06 Marks)			
	C	. List the types of binders used	n molding sand	(04 Marks)			
			ound.	(06 Marks)			
2) ^	Wat (S)	OR				
4	a	with a neat sketch explain to	he procedure and advantages as	nd limitations of green sand			
	b	moulding process.		(08 Marks)			
	्र , ⊜€.	Explain the principle and any t	wo types of risers.	A 5-7			
,-3		S what is easting defect? While i	he causes and remedies for any 4	casting defects. (04 Marks)			
			Module-2				
√3	a.	a. With a neat sketch explain jolt and squeeze type moulding machine, list the ad-					
	b.		parale type mounting macr				
	c.	- Pidin sweep modiu process.		(06 Marks) (04 Marks)			
	٥.	With neat sketch describe inves	tment molding process.	(06 Marks)			
			OD S				
4	a.	Describe pressure die casting te	OR chnique with appropriate sketche				
	b.	Explain the constructional fea	tures working of cupola furna	(06 Marks)			
		cupola.	turna	ce with different zones of			
			A. 90	(10 Marks)			
5	a.	With a past shorted to the	Module-3				
	b.	With a neat sketch explain flux-	shielded metal arc welding.	(06 Marks)			
	c.	Define welding. Describe the de Explain oxy-acetylene welding.	tail classification.	•			
			process with flame characteristics	6. (06 Marks)			
			OR				
6	a.	List the differences between for	vard and backward welding				
	b.	what is 110? Explain working o	f TIG	(04 Marks)			
	c.	With a neat sketch explain atomi	c hydrogen welding process.	(06 Marks)			
				(06 Marks)			
7	a.	Explain the prince	Module-4				
•	b.	Explain the principle and workin With a neat sketch, explain election	g of thermit welding process.	(08 Marks)			
			on beam weiding.	(08 Marks)			

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		OR O	
8	a.	Name the different zones formed during welding and parameters affecting on HA	
	b. c.	What is residual stress? Explain the methods of relieving residual stresses. With neat sketches, explain the causes and remedies of any two welding defects.	(06 Marks) (04 Marks)
		Module-5 Module-5 Final single any two methods of brazing	(06 Marks)
9	a. b. c.	Explain the principle of brazing. Explain any two methods of brazing. With a neat sketch, explain flurocent particle test. Explain Eddy current test.	(06 Marks) (04 Marks)
		OR	
10	a. b.	With neat sketch describe ultrasonic inspection method. Explain holography method of inspection and list the advantages.	(08 Marks) (08 Marks)
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