## GRGS SCHEME

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1 111	16.	o ms.									A					( )	Max.	Mark	s: 100
	N	ote: A	Insv	ver i	any	FIV	E fi	ull q	uesti	ons, c	choosi	ng Ol	VE ful	l ques	tion	from	each	modul	e.
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1	a.	Brie	fly e	vnl	ain f	he c	tons	inx	olved	in or	Modu	ile-1	aget di	0000				, (10	** * * *
	b.								volved in casting, with neat diagram.									Marks)	
	c.								wances given to the pattern? Explain any 2 with near							(U5) diagra	Marks)		
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2	a.	With	nea	it di	agra	m, e	expl	ain t	he di	fferer	it type	sofco	ores us	sed in	man	ufactı	iring p	rocess	
	b.	Write	a the	nri	nair	loc	of C	Zatac	and	Digar	. 🐧	7						36	Marks)
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3	a.	With	nea	t di	agra	m, e	expl	ain t	he sa				ng ma	chine	KI.			(10	Marks)
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	c.										at diag			7		Za.			Marks)
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4	a.								ifugal						A.			(05	Marks)
	b.	With	an	eat (	diag	ram.	exp	olair	the c	liffer	ent zo	nes of	cupol	a furn	ace.				Marks)
	C.	wna	t are	the	air	terei	nt ty	pes	of Sp	ecial	moule	ling pi	rocess	es? 🔻				(03	Marks)
						Y				NA	dule	2	4	*					
5	a.	Wha	t voi	m	ean	hv v	veld	ing?	Diec	IVI	odule	antage	es and	limito	tion	ofw	aldina	(07	N/ l \
	b.	With	nea	t di	agra	m e	xnl	ain t	he wo	orkine	of m	amago etal ar	c welc	ling n	roces	01 W	elumg		Marks) Marks)
	c.										veldin			mg p	1000.				Marks)
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		Andry					h. 4	, V			OR	7							
6	a.	Expl	ain 1	he o	cons	truc	tion	and	work	king c	of oxy	acet	ylene	weldi	ng, v	vith no	eat dia	ıgram.	
	h	Even1		1	1:.00-		0 -		1	4.			1.11	• . •	1.			-	Marks)
	b.												elding					(05	Marks)
	C.	Expi	alli (	ne c	OHS	uuc	uon	and	WOLK	ang c	or run	gsten	inert g	as we	Iding	g, With	n neat	diagra	m. Marks)
									1	W.								(07	wiarks)
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7	a.	With	nea	t dia	agra	m, e	xpla	ain t	he wo				beam	weld	ing.			(10	Marks)
	b.								weldi									(05	Marks)
	C.	Write	e a s	hort	not	e on	'Sp	ot v	veldir	ıg'.								(05	Marks)
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8	a.	Write	ם מ מ	hor	not	0.00	"II"	ant -	ffoot	ad za	OR nes" i	. w. 1 -	lin ~					101	M
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1 of 2

## **Module-5**

9 a. Differentiate Soldering and Brazing. (05 Marks)
b: Write the advantages and disadvantages of soldering and brazing. (10 Marks)
c. Explain Induction brazing and mention its advantages and limitations. (05 Marks)

## OR

a. What are the different Non – descriptive Testing (NDT) methods and explain with neat sketches of magnetic particle Inspection and Radiography Inspection method. (15 Marks)
b. Write a short note on 'Ultrasonic method of Inspection'. (05 Marks)