QP Code: NP-18708

			(3 Hours)		[Total Marks :	80
	N. :		estion No. 1 is compulsory.		G. C. A	
			temp any three questions out of a strate your answers with neat ske	170	* EXAM	# OF
1.	(a)	Explain the	various casting detects with their	causes and remedi	es. PRVAT, RAI	10
	(b)	Explain pre	ss forging? Discuss its advantages	s over hammer forg	ing.	5
	(c)	Differentiat	e soldering and brazing.		3	5
2.	(a)	casting, is 7 the total so	al riser is to be designed for a sa .5 cm × 12.5 cm × 2 cm. The pro- iditication time for casting is 96 and the size of riser so that the total	vious operation have second. The cylind	e indicated that rical riser have	10
	(b)		istance welding process with its			5
	(c)		open the forging and closed die			5
3.	(a)	Discuss the	various defects in rolled parts.			10
	(b)	Discuss riv	eted joints state their advantages	over other joints.		5
	(c)	Explain sub	merged are welding with its apply	ications.		5
4.	(a)	Explain the	stepwise procedure of powder m	etallurary in detail.	1.	10
	(b)		Rotational moulding with its adv		tions.	5
	(c)	Explain die	penetrant testing method of NDT	Γ.		5
5.	(a)		screw type injection moulding with and applications.	neat sketch. Discuss	s its advantages,	10
	(b)	What is por	wder metalluray? Discuss its adva	intages, applications	and limitatins.	5
	(c)	Explain wit	h neat sketches different types of	flames generated in	n gas welding?	5
6.	Wr	Write Short note on (any four) :-				20
		(i) Pattern	materials			
		(ii) Weldir	g defects			
			nic testing			
	_	(iv) CO2 w				
		(v) Thread	Rolling.			