S.E. CMeeh) (Sem-III) (CBC45) (R-20-21) (CScheme)

• •		Duration: 3 Hours	otal Marks- 80
For	N.B.	 First Question (Q.1) is Compulsory. Attempt any 3 questions from the remaining questions. Figures to the right indicate full marks. Proportionate and labeled free-hand sketches would do. 	
01	Writ	te a short note on (Any four)	20
- 7		ypes of Risers.	
	_	ot working process.	
		ybrid Joining process.	
		nermoplastic plastic.	
(e) In	ternet of things (IoT) in manufacturing.	
Q2.		Write short note on broaching machine and compare of lapping and operation.	honing 10
	(b)	Write difference between arc welding and gas welding.	10
Q3,		What are the five major steps in casting? Discuss casting defects witcauses and remedies.	th 10
	(b)	Explain various sheet metal operations with neat sketches.	10
O4.	(a) I	Explain various super finishing operations.	10
		Explain steps involved in powder metallurgy process.	10
			10
O5.	(a) I	Describe gear milling process.	10
		Explain polymer moulding techniques.	dedd is
	(0) 1	Explain perfuter montaing techniques.	10
Qó.	(e) I	What are different sheet metal operations? Explain briefly any two o	Cthom 10
Qu.		그릇 보는 사람들이 가장하는 사람들이 되었다. 그 사람들은 사람들은 사람들이 되었다.	
	(0) 1	Explain cloud manufacturing.	10