1			Ş' 43
		Paper / Subject Code: 51623 / Production Process  Semili (R-2019 C Scheme) "Mechanical"  Duration: 3 Hours  Total Marks-80	May 2023
	SE	SemIII (R-2019 C Scheme) "Mechanical	
		. 23	
30	15/20	Duration: 3 Hours Total Marks-80	
	NB:	<ol> <li>First Question (Q.1) is Compulsory.</li> <li>Attempt any 3 questions from the remaining 5 (Q.2 - Q.6) questions.</li> <li>Figures to the right indicate full marks</li> <li>Proportionate and labelled free-hand sketches would do</li> </ol>	20
	Q. 1 So	a) Explain types of gates. b) Differentiate between soldering and brazing.	20
		c) Explain selection of grinding wheel.	
		d) Explain Internet of Things. e) Discuss Electro-chemical machining.  Various steps involved in powder motelly and the steps in the step in the	
		f) Various steps involved in powder metallurgy	10
	Q. 2	<ul><li>a) Draw and explain Geometry of a Single Point Cutting Tool.</li><li>b) Draw and explain screw type injection moulding process with its advantages, Limitations and applications.</li></ul>	10
			10
	Q. 3	<ul><li>a) Explain working, advantages and limitations of ultrasonic machining.</li><li>b) Draw and explain significance of various elements of gating system in sand</li></ul>	10
		casting.	
		그렇게 되는 것이 되는 장면 보고 있습니다. 그런 그는 사람들은 그 수 있다면 그렇게 되었다.	10
		a) Draw and explain in brief the various welding defects their causes and remedies.	10
	Q. 4	b) Describe the types of drilling machine and their application.	20
			10
		a) Explain working of Submerged Arc Welding with its applications, advantages.	10
	Q. 5	<ul><li>a) Explain working of Subfielged Are medical and limitations.</li><li>b) Draw and explain in brief the various rolling defects their causes and remedies.</li></ul>	10
		b) Draw and explain in brief the various to	20
	Q. 6	<ul> <li>Write short notes on (Any four)</li> <li>a) Compare wood and metal as pattern materials.</li> <li>b) Classify Production Processes</li> <li>c) Quick return mechanism on shaper.</li> <li>d) Open die and Closed die forging.</li> <li>e) CO2 Shell Moulding Process.</li> <li>f) Cloud manufacturing.</li> </ul>	
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