Sem III (R-2019) C Scheme "Mechanical

28 | 11 | 2023 Time: 3 Hour

SE

Time: 3 I	Hour	Total Marks: 80	
Note:			5
	1.	Question one is compulsory.	
	2	. Solve any three out of remaining five.	
		The state of the s	
0.1		Write Short noted to	0
Q.1	a	Write Short notes with sketch wherever applicable. (Solve any Four) 2 Pattern Allowances	
	b b	Electron beam welding	
	c	Rolling mills	
	d	Gear Hobbing	
	e	Industry 4.0	
	C	musuly 4.0	-
	0	Explain diec	, (°)
Q.2	a b		10
	v	Classify Welding processes and compare arc, gas and resistance welding	10
2.2	3		
Q.3	a	Describe different sheet metal operations with neat sketches Write short not as P. William P. Willi	10
	b	Write short not on Radial drilling machine	10
			2
Q.4	a		10
	b	Explain stepwise procedure of powder metallurgy	10
Q.5	a	Describe the investment casting with working principle, advantages,	10
- 1		limitations and applications	
1	b	Write short note on gas welding with different types of flames produced	10
4.5	297		
. <i>'</i>			10
Q.6	a		10
3		1. Shaper and Planer	
( fr	.:	2. Hot working and cold working	10

Page 1 of 1

List various nontraditional machining methods and explain Ultrasonic 10