

Reg.	N	0:]			
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR																
							(AU	TONC	OMOU	JS)						
	B.Tech IV Year II Semester Advanced Supplementary Examinations Oct-2020 ADVANCED WELDING PROCESSES															
					AD			ical E			ESSE	3				
						(1.1)						
Time:	Time: 3 hoursMax. Marks: 60															0
					(Answ	er all	Five U		-	= 60 N	Iarks)				
				_					NIT-l							<i></i>
1	a b		hat are	-		-	-		motic	ne and	1 nosit	ions ir	SMA	W w	aldina?	6M 6M
	IJ	What are the different types of electrode motions and positions in SMAW welding? OR														UIVI
2			-		sify h	eavily	coated	l low c	arbon	arc we	elding	electro	odes?]	Expla	in. its	12M
-		ımpo	rtance	•				T 17		7						
	-				<u> </u>			L	NIT-I							
3	_	 a Name the types of weld backing methods for SAW and explain any one. b What are the types of fluxes and their seminour ding? 													6M 6M	
	U	b What are the types of fluxes and their compounding? OR														OIVI
4	a							led by		-	e the a	rea of	applic	ation	?	6M
-	b	b Give the advantages and disadvantages of GTAW.													6M	
	Б	1.	.1		<i>.</i> .	1.			<u>VIT-II</u>		1.1.			G	1 / 1	1016
5		-					-	haract I chara							ketch	12M
					• •											
6	 a Discuss the output V-I characteristics of welding generator and use of pulsed currents. b Classify the sold state welding process. 														6M 6M	
	IJ	b Classify the sold state welding process . UNIT-IV														UNI
	a	a What are the methods of diffusion welding and explain?													6M	
7								ges of o		-						6M
	_	W/:4h	maata	Iratala	ا محمد ا	a tha	flaght		OR		-					
8	a h							outt we			5.					6M 6M
	U	b What do you understand about Upset butt welding?														UVI
	a	61													6 M	
9	b Describe the role of a flux in soldering. Name and describe in brief the importa soldering fluxes.										portar	nt	6M			
		solue	ang n	UACS.					OR							
10	a	a What are the different types of vacuum systems for EBW? Explain the systems.b Discuss the process variables in LASER beam welding.											6M			
10	b												6M			
							ملا	** EN	D ***							

*** END ***