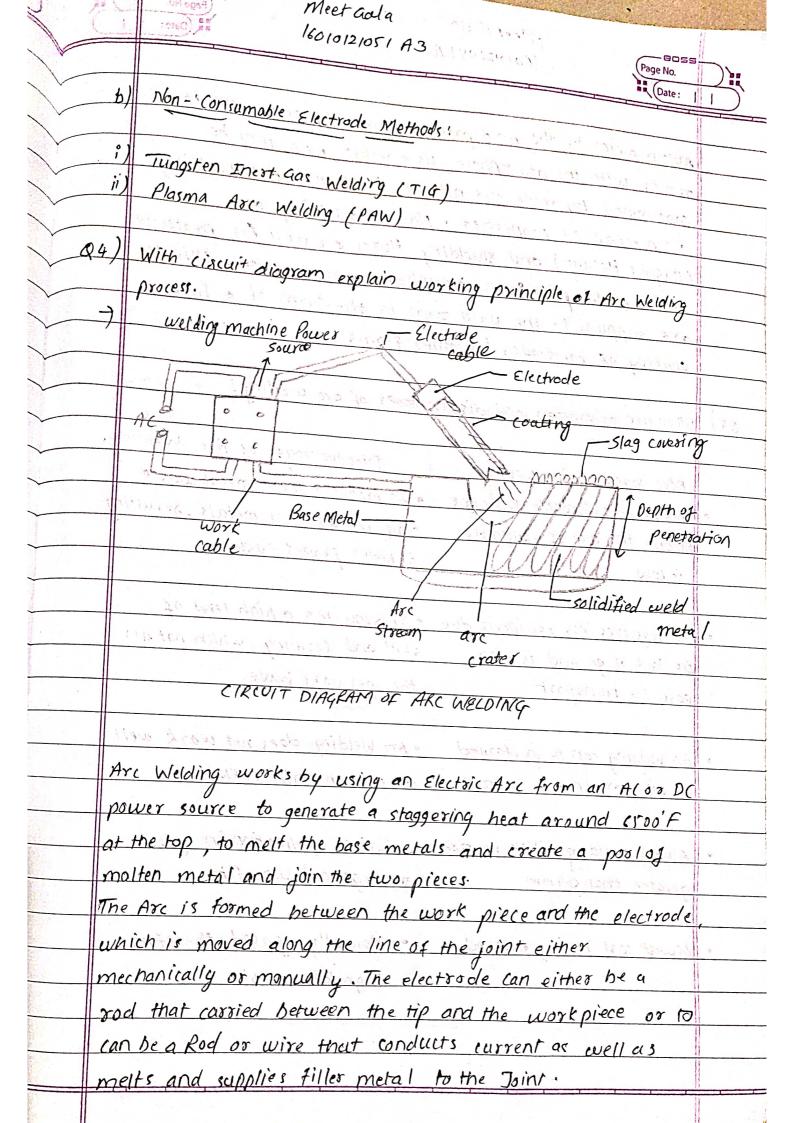


	es (Meet Gala	
\int_{0}^{∞}		16010121051 A3	
1		Oste: 1	1
1			
/		Depending upon the process there are two types of welding	
\		Electrocies . The forth the same man interpret to the same that	
\	a	Consumable Electrodes	
		And a second	
		They have low melting point.	
\\	1	Consumable electrodes are used in metal Inert gas (MIG) welling	
\		Materials like mild steel and nukel steel are used for	
		making these electrodes	
		As a precaution, we must replace consumable electrodes after	
~		Even is there are during welding	
~		Even if they are easy to use and maintain these electrodes	17
~		don't have a large number of industrial applications	
<u> </u>		These electrodes are categorised as :- · Bare Electrodes	and a
<u>\</u>		· Coated Electrocles	
\		AND THE OTHER STATES IN STATES AND A SERVICE OF THE STATES	
	<u> </u>	Non-Consumable Electracles	
		William the ment of the state of the state of the state of the state of	
	-	These electrodes are mode of pure Tungsten, Graphite or	
		Carbon coated with copper	
1	-	They have high melting point and are used to enable to fill	
Action For		the gap in the workpiece as they are not consumed in the	1 63
14		entire welding process	,
1		Due to the vaporization and oxidation process taking place	
1			***
-		dusing the welding there is a little bit of reduction in the	
		length of the electrode.	
		These are used in Tungsten Inert Gas welding (7/4) and	
-	8	Carpon Arc Intelding.	
	-	There are two types of non-consumable Welding: · Carbon Elect	rode
	7.0	° Tungsten	4.
		Electro	les.

Page No.

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		- 1
	upen a	
. 4.	The welding Electrodes are coated in flux because when a	
	flux coated electrode is heated up part of thux burns and	
	flux coated electrode is heated up, part of fice away from forms a gaseous shield which keeps the oxygen away from	
	the weld	
	- ar weld withich account	
	This prevents in formation of poor well the flex melts and Tron burns in oxygen Another part of the flex melts and are easily	_
	Tron burns in oragen. Another part of the flat and are easily mixes with the pool, the impurities of which flat and are easily	
	removed when the weld joint wolf down. It also provides	
	a alloying elements which improves the weld quality	120
	a alloying elements which improves the well of Arc welding.	
W.3)	n 2 1 ich Hos Hilles	TC.
Q3)	What does Arc welding mean? List me igh	
->	1 4 44 47((0)) 11(1) 4-1-1-1	_
	for Join metals: It uses an electric arc to create intense	
4	heat to melt and join metals. A power source generates	**************************************
	1. 1.10 40. 1.45110011 / //////////	N. C.
		and the
	direct current [DC] or alternating current [AC]	-4
1.3		301
	The types of Arc Welding are as follows	
a)	Consumable Electrode Methods:	
- 47	Metal inest Gas Welding (MIG) and Metal Active Gas	-
- a .		
o*)		
;v)	Flux- coated Arc Welding (SAW) Submerged Arc Welding (SAW)	-
,,;)	Arc stud Welding (SW)	*
VI	unitamini.	
20	Electron	
		=



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Page No.

	The state of the s				
-	Molten metal in the	Air wally active and it			
-	Molten metal in the weld pool is chemically active and it reacts with the atmosphere. As a result weld may be				
****	Contamined by oxide and nitride inclusions detonorating				
	its mechanical and nit	ride inclusions desolloroning			
-	(Argon 1 Helium) and shielding Pluxes are used for protection				
	of the sold in	ng fluxes are wied for protection			
	axe supplied to	sphere contamination . Shields			
	cooping of the weld z	one in the form of a fuse			
	coating of electrodes / in oth	er forms.			
	Whitare				
	What are advantages and disadu	antages of are welling!			
	11.				
	Advantages of Are welling	Disadvantages of Azi Welding -			
4	This is an affordable technique	· It produces more metal waste			
-	because the cost of equipment	compared to other metals . sesulting			
	is LOW	in higher project costs.			
4	Para latitudes -	The state of the s			
	It requires less equipment due	· It requires a high level of			
. 1	to lack of gos and is also	skill and training, which notall			
	easy to transport	the operators have.			
_	\$200 0 25W 25	1 1. 1 #361/10 11577.2			
•	Are Welding can be performed	· Arc Welding does not work well			
	on disty or unchan metals	on certain thin metals			
		sale a standard to green to a star			
_	Allows welding filler materials	· Limited application in open			
	greator than 0.4 mm	meetings and poor fit			
	sheer was set born and in Some	and who may possed in the			
	Lowest cost pining method	· manually applied therefore			
	the self-transfer that the self-transfer to	high labor cost.			
-	And Annual Annual Control of the Con	righ por cost.			
_	C. C. STAIR LEWY SILL STA	have a sound beginning			
	H	Contract Track and the second			

