Advantages of Welding over other

methods of joining metals Necessity of an Arc Welding

Arc Welding accessories

Function of each accessory

Features of oxygen and acetylene

Features of oxygen and acetylene

Hose-connectors used in oxygen

and acetylene regulators

Function of hose-protectors

Different types of Arc Welding

machine

machine

gas cylinders

gas regulators

Arc and Gas Welding

Equipments, tools and accessories.

Arc and Gas Welding

Equipments, tools and accessories.

2

3

1.5

Direct teaching /Video

Quiz and Assignment

LESSON PLAN (FOR RELATED THEORY PART)

			1/1	ABBON I DAN (FOR REE	ATED THEOR	1 1 AKI)			
	TRADE:	Welder]	SEM:	I	YEAR-1	
LEARNING OUTCOME			2		EXERCISE NO		LESSON NO (REF TO PRACTICAL):		
	DAY (1)	Hrs (2)	Title (Reference	Details of each day plan (Explanation) /Sub topics (Reference NIMI book) (4)	Text and media content to be displayed for viewing (5)	Media nature (ie., 2D image/ 3D image/ animation video/ Simulation etc.,)	Whether Dire digital video learning	ect teaching or for self (7)	Type of assessment Assessment (like Quiz, Identify, Fill in the blank, MCQ, etc.) (8)
				Invention of Welding	Text & Images	PPT Slides	Direct tea	ching /Video	Quiz and Assignment
	1	1	Introduction and Definition of Welding	Definition and different ways to weld	Text & Images	PPT Slides	Direct tea	ching /Video	Quiz and Assignment

Text & Images

PPT Slides

			Functions of blowpipes and nozzles	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Hand tools used by a welder	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
	-	Various Welding Processes and its applications	Classification of the electric welding processes	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Classification of the gas welding processes	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
4			Classification of the other welding processes	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Applications of various welding processes - SMAW, GMAW,GTAW/TIG, Submerged Arc Welding	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
		Arc and Gas Welding Terms & Definitions	Butt Weld, Fillet Weld	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Miter Line, Toe of Line, Toe of Weld	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
5	1.5		Concave bead, Convex Bead, Miter Bead	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Gas Widing Torch, Gas Cutting Torch,Gas pressure regultor	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Electrode Holder, Earth Clamp	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment