

For Electrician, Fitter, Diesel Mech., and Welder TP-25hrs & TT-7 hrs. per WEEK

For COPA TP- 30hrs. & TT-6 hrs. per WEEK

LESSON PLAN (FOR RELATED THEORY PART)

TRADE : Welder	SEM:	I	YEAR-1				
LEARNING OUTCOME	2	Week no -10	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">EXERCISE NO</td> <td style="width: 50%;">LESSON NO (REF TO PRACTICAL):</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>	EXERCISE NO	LESSON NO (REF TO PRACTICAL):		
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DAY (1)	Hrs (2)	Major topics/Lesson Title (Reference syllabus) (3)	Details of each day plan (Explanation) /Sub topics (Reference NIMI book) (4)	Text and media content to be displayed for viewing (5)	Media nature (i.e., 2D image/ 3D image / animation video/ Simulation etc..) (6)	Whether Direct teaching or digital video for self learning (7)	Type of Assessment (like Quiz, Identify, Fill in the blank, MCQ, etc.) (8)
1	1.5 hr	Oxygen gas its properties and uses.	Introduction of oxygen Gas	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Properties of oxygen gas	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Oxygen gas uses	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
2	1.5 hr	Production of oxygen by Air Liquefaction	Production of oxygen gas	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Air liquefaction process	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Purification , Liquefaction .Distillation	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
3	1hr	Charging process of oxygen and acetylene gases	Charging process of oxygen gas	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Charging process of Acetylene gas	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Oxygen cylinder	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment

4	1hr	Oxygen and Dissolved Acetylene gas cylinder and Color coding for different gas cylinder	DA /Acetylene cylinder	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Color coding for different gas cylinder	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
5	1hr	Gas regulators ,Types and uses	Introduction of Gas regulator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Single stage regulator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Double stage regulator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Difference of single stage regulator & double stage regulator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment