

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 -8	<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	2 hr	Calcium carbide properties and uses.	Compostion of calcium carbide	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Properties of calcium carbide	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Production of calcium carbide	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Grades/ size of calcium carbide	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Safety precautions for handling and storage of calcium carbide	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
2	2hr	Acetylene gas properties and generating methods.	Properties of Acetylene gas and principle of acetylene gas generation	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Method of water to carbide Generator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Method of Carbide to water generator	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Definition and construction of acetylene purifier	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment

3	2hr	Acetylene gas Purifier	Necessity of Acetylene purifier	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Working principle of Gas purifier.	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
4	0.5	The hydraulic back pressure valve	Construction of acetylene Hydraulic back pressure valve	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Necessity of hydraulic back pressure valve	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Working principle of hydraulic back pressure valve.	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
5	0.5	Flashback arrestor	Definition and construction of flash back arrestor.	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment
			Working principle of flash back arrestor	Text & Images	PPT Slides	Direct teaching /Video	Quiz and Assignment