

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-I

LEARNING OUTCOME
W- 17
Weld ability of metals, post Heating & Pre Heating and its Purpose, inter Pas Temperature

EXERCISE NO

LESSON NO (REF TO PRACTICAL):

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 (ie., 2D image/ 3D image / animation video/ Simulation etc.,) (6)	Whether Direct teaching or digital video for self learning (7)	Type of assessment Assessment (like Quiz, Identify, Fill in the blank, MCQ, etc.) (8)
1	2 hr	Weldability of Metal	Classification of material on basis of weldability	Text & Images	PPT Slides	Direct teaching /Video	Quiz , Assignment, Games
			Fusion of a metal	Text & Images	PPT Slides	Direct teaching /Video	Quiz , Assignment, Games
2	2 hr	Pre-Heating	Before welding, the material is taken to optimum temperature by heating so that welding becomes easier and to maintain uniform melting of a metal.	Text & Images	PPT Slides	Direct teaching /Video	Quiz , Assignment, Games
3	2 hr	Post Heating	During the welding the internal strain is developed and to remove that post- heating is required.	Text & Images	PPT Slides	Direct teaching /Video	Quiz , Assignment, Games
4	1 hr	Inter-pass	For the proper weld of any material, the weld bead has to be done for 4 to 5 times with temperature difference of 20° C to 25° is the every internal	Text & Images	PPT Slides	Direct teaching /Video	Quiz , Assignment, Games