

**LESSON PLAN**

Date \_\_\_\_\_

Trade:- Welder

Name \_\_\_\_\_

Week No. one

Subject:- General discipline in the institute. Elementary first aid. Importance of welding in industry. Safety precaution in shielded metal arc welding, oxy-acetylene welding and cutting.

**PREPARATION**

1) Teaching Aids:-Chalk ,Charts,

**INTRODUCTION:-** An Industrial training Institute are centre of skill development in a new trainee for industry. So we must obey general discipline and rules.

**PRESENTATION:-**

Topic	Information Point	Spot Hint
General discipline	<p><b>Timing:-</b> DGET rule for training is 9:00 AM to 5:00 PM and lunch break 1:00 PM to 1:20 PM with five days week.</p> <p><b>Dress code:-</b> A dress code applied to all trainees.</p> <p><b>Leave:-</b> Trainees can take 12 leave in a year and 15 medical leave in a year.</p> <p><b>Attendance:-</b> 80% attendance compulsory for participate in final exam.</p>	
Elementary first AID	The treatment done before the doctor , is called first aid. In industrial training trainees has use many types of tools and equipments, small mistake causes accident and need first aid.	
Injury	Burning 2. Cuts 3. Electric shock 4. Fume 5. Radiation	
Process of first Aid	<ul style="list-style-type: none"> <li>• Avoid unnecessary disturbances</li> <li>• Ensure open airway</li> <li>• Control Bleeding</li> <li>• Check for Injury</li> <li>• Immobilize injured parts before moving Transport</li> </ul>	
First Aid Box	This box contain dressing materials, Potassium permanganate, Barnol, siprit, some pain killer tablet and clean cloth.	
Importance of welding in Industry	An industry without welding is not possible. Aerospace, railways, automobile, fabrication projects, bridges, building construction, heavy industry, small scale industry all are not complete without welding.	
Safety	Do not forget “a safe welder is always skill welder”	

Types of safety	<ol style="list-style-type: none"> <li>1. Safety of workshop.</li> <li>2. Safety of equipments.</li> </ol> <p>Safety of personal.</p>
<p>Some safety instructions for welding</p> <p>Types of Fire:- Oil fire, electric fire, carbonatious fire, gas fire</p>	<ol style="list-style-type: none"> <li>1. Always use all type safety device as like apron, goggles, welding helmet and hand gloves etc.</li> <li>2. Use #12 for ferrous metal and #11 lenses for non-ferrous metals</li> <li>3. Make jobs in welding booth so other people keep safe.</li> <li>4. Always use exhaust fan.</li> <li>5. Tidy-up the workshop.</li> <li>6. Arrange always water and fire extinguisher in workshop.</li> <li>7. Keep workshop floor neat and clean.</li> <li>8. Check gas leakage before gas welding and cutting.</li> <li>9. Do not apply welding on inflammable material.</li> <li>10. Use safety sign in workshop.</li> <li>11. Do not start any machinery without knowledge.</li> <li>12. Inform immediately to senior when something goes to wrong.</li> <li>13. Earthing of electric machine compulsory.</li> <li>14. Tight all loose electric connections before start the machine.</li> <li>15. Check moving parts time to time.</li> <li>16. Safety guard is important.</li> <li>17. Do not use mobile and other devices while working.</li> </ol>

Questions:-

1. Write three general discipline of ITI.
2. What is elementary first aid?
3. Write five safety points in workshop.

Assignment:-

Discipline in the institute. Elementary first aid. Importance of welding in industry. Safety precaution in shielded metal arc welding, oxy-acetylene welding and cutting.

Next lesson:- Introduction and definition of welding. Arc and gas welding equipments, tools and accessories. Various welding process and its application. Arc and gas welding terms and definitions.

Checked By \_\_\_\_\_

Instructor \_\_\_\_\_