WORKSHOP SAFETY

A workshop is a place where designed projects or objects are made. it can also be described as a place that is set aside for the practice and study of technology.

A workshop is a place where engineering works are being carried out by the professionals or experts.

The workshop comprises different tools, equipment and other facilities. it is therefore needful to study the conditions dangerous to ourselves because accidents do occur in technology workshop.

Examples of workshops are:

1.      Carpentary workshop

2.      Welding workshop

3.      Auto mechanic workshop

4.      Electrical workshop

5.      Sculpting workshop

**Accidents**

An accident is an unexpected negative event or experience that happens to somebody. Accidents can occur in the workshop.

A Workshop Accident is a harm or injury that is done to someone in a workshop. Accidents are caused by people and equipment used in the workshop.

Workshop safety: it can be defined as the state of being safe and protected from danger or harm in the technology workshop.

causes of workshop accidents

1. lack of concentration.

2. lack of safety devices to be used.

3. failure to use safety devices provided.

4.failure to obey instructions.

5. Lack of provision of safety devices.

6. Failure to follow laid-down methods for handling facilities and devices.

7. Failure to use safety devices provided

Types of Workshop Accidents.

1. injury from broken bottles or metallic objects.

2. body injury from spoilt machine or tools.

3. contact of acidic or corrosive chemicals on the physical body.

4. electrocution

5. suffocation.

Prevention of workshop accidents.

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| --- | --- | --- |
|  | Workshop accidents |  |

workshop safety devices.

these are devices that are to be used in the workshop to prevent accidents.

1. apron or overall: it is a protective clothing which should be clean at all times.

2. goggles or eye shields: it protects the eye from dust and high intensity of light.

3. gloves: it protects the hands and skin against cuts, burns, electric shock and against piercing.

4. workshop shoes: are used for feet protection.

5. fire fighting equipment: fire extinguishers, water, dry sand are kept in strategic positions where they can be easily located especiallybif there is fire outbreak.

workshop safety rules and regulations.

1. students should wear safety devices.

2. get proper instructions before using a tool or machine.

3. learn to recognize the warning symbols shown on equipment.

4. always know where to find first aid, in case someone gets injured while using a tool or machine.

5. make sure that any wet hands are kept away from electrical outlets or sockets.

6. keep all cutting tools and equipment safe in store.

7. when a machine is not in use, turn it off and wait till it stops

8. long hair should be tied back or worn under a cap to avoid getting caught in the running machine.

9. roll up long sleeve shirts.

10. wear shoes or boots with a rubber soles, while working in the workshop area.

**WORKSHOP SAFETY: DEFINITION, SAFETY RULES, SAFETY DEVICES**

**What’s a workshop?**

**Some causes of workshop accidents:**

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**Safety Rules**  are instructions that professionals and workshop users obey before an activity to prevent danger or risk during the activity.

Some safety rules are:

1.      Do not operate any machine or use any tool without a prior knowledge or having being instructed on how it should be used.

2.      Always wear an overall while in the workshop.

3.      Always wear hard covered shoes with hard soles.

4.      When in doubt, always ask.

**Safety devices**

Safety devices are those devices that are designed or made to prevent injury or accidents. Some safety devices reduce the extent of injury to humans and damages to equipment.

We can also define Safety Devices as devices that work to help secure the safety of anyone who is using them.

Some safety devices are:

1.      Fire fighting equipment:

                                     i.            Bucket of sand

                                   ii.            Bucket of water

                                  iii.            Fire extinguisher

2.      Safety glasses and goggles

3.      Gloves

4.      First-aid kit

5.      A phone (to dial emergency numbers in case of extreme accidents)

**Exercises:**

1.       What is a workshop?

2.       What is an accident?

3.       What is a workshop accident?

4.       What are safety rules/precautions?

5.       What are safety devices? Mention four safety devices?

**Research:**

1.       What is an accident?

2.       Describe workshop accidents.

3.       Mention three safety devices.

4.       Mention four types of wood.

5.       Mention three uses of wood.