

# PERSONAL SAFETY AND PROPER ATTITUDE

## SAFETY SERIES EXAM 1 STUDY GUIDE



Name \_\_\_\_\_ Date \_\_\_\_\_

### Question #1

- Welders are one of the nations most respected and sought after professionals because:

□ \_\_\_\_\_

### Question #2

- \_\_\_\_\_ must be your first concern in any job.
- \_\_\_\_\_ – Machines and equipment can be replaced – human life cannot.

### Question #3

- Many good welders had to retire before they were ready because:

□ \_\_\_\_\_

### Question #4

- Protection of the \_\_\_\_\_ is the most important concern for any welder.

□ \_\_\_\_\_

### Question #5

- A welder should never look straight at a welding arc without a pair of sunglasses, or similar glasses, that cut out the bright light.

□ \_\_\_\_\_ – Sunglasses are not an OSHA approved shade. Welding helmets should be used for eye protection with Z87 approved shades.

### Question #6

- The welding arc can be dangerous because it can produce a visible form of light called ultraviolet rays.

□ \_\_\_\_\_ – Ultraviolet rays are not visible.

Question #7

- Ultraviolet rays are similar to rays from the sun; however, they will not cause sunburn like rays from the sun.
- \_\_\_\_\_ – Ultraviolet rays can cause burns.

Question #8

- A condition called \_\_\_\_\_ occurs when ultraviolet rays strike the white part of the eye.
- \_\_\_\_\_ – Symptoms of a flash burn are not noticed for several hours after occurrence. Symptoms include red and irritated eyes.

Question #9

- If your eyes start to hurt, you should check with experienced welders to find out what home remedies they use and then use the same thing.
- \_\_\_\_\_ – Medical advice from a professional should be obtained.

Question #10

- \_\_\_\_\_ degree burns can occur if a welder's skin is exposed to ultraviolet rays.
- \_\_\_\_\_

Question #11

- The purpose of a filter lens in a welding helmet is to screen out \_\_\_\_\_ of the damaging light rays.
- \_\_\_\_\_ - It is impossible to filter 100% because the arc would not be visible.

Question #12

- \_\_\_\_\_ is the amount of tint in a filter lens.

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- \_\_\_\_\_ – In arc welding, typically shades range from 8 – 12.

#### Question #13

- The higher the filter lens number, the easier it is to see through the lens.
- \_\_\_\_\_ – The higher the lens number, the darker the shade.

#### Question #14

- A number five lens is darker than a number ten lens.
- \_\_\_\_\_ - The higher the lens number, the darker the shade.

#### Question #15

- ANSI stands for:
- \_\_\_\_\_

#### Question #16

- Whenever you are in a welding area, you should wear safety glasses with.
- \_\_\_\_\_ – Prevents flash burns or debris from entering the side of the safety glasses.

#### Question #17

- In addition to ultraviolet rays, welding also produces:
- \_\_\_\_\_ – Infrared rays are the form of light felt as heat.

#### Question #18

- What type of clothing should not be worn while welding?
- \_\_\_\_\_
- \_\_\_\_\_

Question #19

- Welders wear ear plugs to keep flying sparks out of their ears.
- \_\_\_\_\_ – Ear plugs also prevent hearing loss.

Question #20

- The only reason welders wear leather gloves is to protect their hands from heat and ultraviolet rays.
- \_\_\_\_\_ – Leather gloves also protect hands from cuts and abrasions from metal burs.