



Welding

Flexible Instruction Day

Assignment #4

Chapter 1: SMAW Maintenance and Repair Assessment

Learning Standard	Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....
Task # & Description	Review the information and complete the activity Follow written instructions to complete work assignments and rules.

CONTACT INFORMATION/ASSISTANCE

Instructor Name: George Petronelis, Jacob Hughes

We will be available by email 7:40-12, and 12:30-3:10 to answer your questions. Please reach out if you are having difficulty completing your assignments.

Mr. Petronelis: petronelisg@butlertec.us 724-282-0735 Ext. 233

Mr. Hughes: hughesj@butlertec.us 724-282-0735 Ext. 224

INSTRUCTIONS

- All work is due on the day we return to school. This is counted towards your attendance **and** as a classroom assignment.
- Read the information
- Complete the attached assignment

Name: _____

Session: _____

____/____ points

Directions: Choose the letter of the best answer.

- 1

Multiple Choice

Directions: Choose the letter of the best answer.

11. A loose connection of the cable lug on the power source work stud can cause _____.
 - A. Connection fusing
 - B. Erratic arc
 - C. Excessive heat
 - D. All of these
12. To head off safety hazards and keep the equipment in good working order, SMAW equipment should be inspected _____.
 - A. Daily
 - B. Weekly
 - C. Monthly
 - D. Yearly
13. Damaged work clamps prevent adequate contact to the base metal and cause _____.
 - A. Arcing
 - B. Overheating
 - C. Voltage loss
 - D. All of these
14. Which of the following is required first before performing any inspection of the power source?
 - A. Notify your supervisor
 - B. Turn OFF input power
 - C. Replace transformer
 - D. Tighten all loose connections
15. Routine maintenance and servicing the power source will help keep components _____.
 - A. Protected
 - B. Spaced
 - C. Cool
 - D. All of these
16. Inspection of the power source, components and connections is the responsibility of the _____.
 - A. Supervisor
 - B. Shop foreman
 - C. Welder
 - D. CWI
17. Work clamps are rated based on the _____ capacity.
 - A. Length
 - B. Amperage
 - C. Polarity
 - D. Electrode
18. Loose electrical connections on the work clamp cause the clamp to _____.
 - A. Loosen up
 - B. Overheat
 - C. Turn color
 - D. Fall off
19. When a cable is severely damaged, the cables should be _____ for safety.
 - A. Removed and replaced
 - B. Wrapped in tape multiple times
 - C. Left alone
 - D. Tied together
20. Servicing or repairing the electrode holder may be necessary if _____.
 - A. The tip is worn or damaged
 - B. One or more of the insulators on the tongs (jaws) needs replaced
 - C. The cable connection is loose
 - D. All of these