Assignment 1

The due date for submitting this assignment has passed.

Due on 2020-02-12, 23:59 IST.

1. Which one of the following welding processes is classified under fusion welding processes?
   - Plasma arc welding
   - TIG arc welding
   - FCAW welding
   - SAW welding
   - Gas tungsten arc welding
   - Smart arc welding
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

2. The name “oxy” is derived from its:
   - Temperature
   - Oxy-acetylene
   - Oxygen
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

3. Which polarity is preferred in consumable welding process using direct current?
   - Electrode positive
   - Electrode negative
   - Direct current
   - Alternating current
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

4. In a welding circuit, arc voltage is:
   - Always lower than current
   - Always higher than current
   - Always less than current
   - Always more than current
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

5. In a welding circuit, arc voltage is:
   - Always lower than current
   - Always higher than current
   - Always less than current
   - Always more than current
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

6. If the upper material contains:
   - Work function is constant
   - Work function varies linearly as a function of temperature
   - Work function increases linearly with temperature
   - Work function increases exponentially with temperature
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

7. Ozone doping to non-consumable welding electrodes is carried out to:
   - Promote electron emission
   - Decrease melting point
   - Increase melting point
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

8. In consumable welding process, primary mode of electron emission is by:
   - Thermionic emission
   - Field emission
   - Ionization
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

9. Which one of the following currents should be preferred for welding of aluminum alloys?
   - Direct current
   - Alternating current
   - Direct current with high voltage
   - Direct current with low-current density
   - -
   - 1 point

   Yes, the answer is correct. Score: 1

10. In arc welding:
    - Arc length, voltage and current are almost same
    - Arc length, voltage and current are not same
    - Arc length, voltage and current are inversely proportional
    - Arc length, voltage and current are directly proportional
    - -
    - 1 point

    Yes, the answer is correct. Score: 1

11. Arc length, current, voltage and heat are almost same
    - Arc length, voltage and current are not same
    - Arc length, voltage and current are inversely proportional
    - Arc length, voltage and current are directly proportional
    - -
    - 1 point

    Yes, the answer is correct. Score: 1