**Assessment 02**

Due: 2020-05-12, 23:59 IST.

1. The voltage across a welding arc in an electrode is ____________.
   - 60 V
   - 120 V
   - 240 V
   - 360 V
   - 480 V

2. The arc voltage across 300A as compared to arc voltage across 50A is
   - Same
   - Lower
   - Higher
   - Not the same

3. The type of welding process in which welding generally?
   - Shielded metal arc welding
   - TIG welding
   - GMAW welding
   - MIG welding

4. **Diagram**

   ![Diagram of welding process](image)

   Label the points 0 and 1 on the welding power source shown in Fig. 1.
   - 0: Earth lead; 1: Earth lead; 2: Wider gap between electrode
   - 0: Earth lead; 1: Earth lead; 2: Wider gap between electrode
   - 0: Earth lead; 1: Earth lead; 2: Wider gap between electrode
   - 0: Earth lead; 1: Earth lead; 2: Wider gap between electrode

5. Study the curve of the arc voltage.

   **Figure 1**

   ![Figure 1: Welding curve](image)

   The voltage with a steady arc is ____________.
   - 0 V
   - 50 V
   - 100 V
   - 150 V
   - 200 V

6. The power supply in the arc welding process is ____________.
   - DC-powered
   - AC-powered
   - Both DC and AC-powered
   - Neither DC nor AC-powered

7. The diagram shows the welding symbol shown in the Fig. 1.

   - Welding through
   - Concealed weld
   - Beveling iron
   - Field of erection
   - No weld pattern in the diagram

8. **Diagram**

   ![Diagram of welding process](image)

   In the Fig. 2, P & Q symbols represent
   - AB, BC, CD, DE, EF
   - VC, CD, DE, EF, FG
   - AB, CD, DE, EF, FG
   - VC, CD, DE, EF, FG

9. **Diagram**

   ![Diagram of welding process](image)

   The following welding process is shown in the Fig. 3.
   - Stick welding
   - Gas tungsten arc welding
   - Metal arc welding
   - Shielded metal arc welding
   - No welding process in the diagram

10. **Diagram**

    ![Diagram of welding process](image)

    In the Fig. 4, P & Q symbols represent
    - 0 = Face opening
    - 1 = Back opening
    - 2 = Root opening
    - 3 = Fillet opening
    - 4 = Face opening

11. **Diagram**

    ![Diagram of welding process](image)

    In the Fig. 5, A & B symbols represent
    - 0 = Front opening
    - 1 = Back opening
    - 2 = Root opening
    - 3 = Fillet opening
    - 4 = Face opening