

**Duration: 30 Mins**

**Total Marks: 43**

**Q.ID: ITISKILL4886B8**

1. Which type of metal is used in a welding cable?

- A) Bronze
- B) Copper
- C) Brass
- D) Iron

**Answer: B) Copper**

2. Which type of electrode produces short arc length?

- A) Super heavy coated electrodes
- B) Medium coated electrodes
- C) Light coated electrodes
- D) Heavy coated electrodes

**Answer: D) Heavy coated electrodes**

3. What happens if the root gap is lesser than one sixth of plate thickness?

- A) Base metal not fused till the bottom of joint
- B) More penetration will result
- C) Likely defects like blowhole, porosity
- D) More chances of distortion

**Answer: A) Base metal not fused till the bottom of joint**

4. Which arc length produces popping sound?

- A) Too long arc length
- B) Long arc length
- C) Short arc length
- D) Normal arc length

**Answer: C) Short arc length**

5. Which among the joints are covered under fillet group?

- A) Corner joint, Edge joint
- B) T joint, Lap joint, Corner joint, Edge joint
- C) T joint, Lap joint
- D) T joint, Corner joint

**Answer: B) T joint, Lap joint, Corner joint, Edge joint**

6. Which defect will occur, when the equipment is changed for AC to DC supply in arc welding?

- A) Weld crack
- B) Arc blow
- C) Distortion
- D) Over lap

**Answer: B) Arc blow**

7. Which type of transformer used in arc welding?

- A) One - to - one
- B) Step up
- C) Step down
- D) Capable of increasing supply voltage

**Answer: C) Step down**

8. What is the name of joint if two members welded in the same plane?

- A) Tee joint
- B) Edge joint
- C) Butt joint
- D) Lap joint

**Answer: C) Butt joint**

9. What is the indication of wrong polarity in DC welding?

- A) Excess spatters and poor penetration
- B) Electrode become red hot
- C) It will produce edge of plates melted off
- D) Electrode will freeze with the job

**Answer: A) Excess spatters and poor penetration**

10. What is the purpose of fixing run on, run off plates in arc welding?

- A) Control over heating
- B) Control arc blow
- C) Control distortion
- D) Control porosity

**Answer: B) Control arc blow**

11. What should be the angle of electrode in the flat position welding?

- A) 70 Degree to 80 Degree
- B) 60 Degree to 70 Degree
- C) 80 Degree to 90 Degree
- D) 50 Degree to 70 Degree

**Answer: A) 70 Degree to 80 Degree**

12. Which position is advantageous for easy welding?

- A) Vertical
- B) Over head
- C) Horizontal
- D) Flat

**Answer: D) Flat**

13. Which is used for arc welding if there is no electric power supply?

- A) Transformer set
- B) Engine generator set
- C) Motor generator set
- D) Rectifier set

**Answer: B) Engine generator set**

14. Which one of the following do not assist fire?

- A) Nitrogen
- B) Ignition
- C) Oxygen
- D) Fuel

**Answer: A) Nitrogen**

15. How much current should be set, to weld a 10 mm thick plates, by arc welding?

- A) 110 Amps
- B) 90 Amps
- C) 70 Amps
- D) 80 Amps

**Answer: A) 110 Amps**

16. Which type polarity used in sheet metal welding?

- A) Reverse polarity
- B) Rectifier set
- C) Straight polarity
- D) AC Transformer

**Answer: A) Reverse polarity**

17. What is the metal used to make earth clamp in a welding machine?

- A) Copper alloy
- B) Iron
- C) Brass
- D) Aluminium

**Answer: A) Copper alloy**

18. Which of the following gas is used in TIG welding?

- A) Carbon dioxide
- B) Oxygen
- C) Hydrogen
- D) Helium

**Answer: D) Helium**

19. What is the angle of electrode while welding in vertical position?

- A) 90 Degree to 100 Degree
- B) 60 Degree to 70 Degree
- C) 70 Degree to 80 Degree
- D) 80 Degree to 90 Degree

**Answer: D) 80 Degree to 90 Degree**

20. What is the term for the depth of fusion, from the surface of the weld metal plate?

- A) Heat affected zone
- B) Fusion zone
- C) Penetration
- D) Leg length

**Answer: C) Penetration**

21. Which defect can be controlled by keeping a magnetic bridge on the top of the groove joint?

- A) Arc blow
- B) Distortion
- C) Slag inclusion
- D) Uneven bead

**Answer: A) Arc blow**

22. Which polarity is used in welding with heavy and super heavy coated electrodes?

- A) Reverse polarity
- B) AC Transformer
- C) AC Motor generator
- D) Straight polarity

**Answer: A) Reverse polarity**

23. Which type of polarity is used in aluminium welding?

- A) Rectifier set
- B) AC Transformer
- C) Reverse polarity
- D) Straight polarity

**Answer: C) Reverse polarity**

24. What is the effect due to long arc in welding shown in drawing?

- A) Less weld deposit
- B) Less penetration
- C) More penetration
- D) Normal penetration

**Answer: B) Less penetration**

25. What is the size of nozzle suitable for welding 50mm dia pipe, with 3.15mm wall thickness?

- A) 10
- B) 7
- C) 13
- D) 5

**Answer: B) 7**

26. What should be the angle of electrode in horizontal position welding?

- A) 80 Degree to 90 Degree
- B) 55 Degree to 65 Degree
- C) 70 Degree to 80 Degree
- D) 45 Degree to 55 Degree

**Answer: C) 70 Degree to 80 Degree**

27. How do you name the depression formed at the end of the weld?

- A) Pin hole
- B) Blow hole
- C) Crack
- D) Crater

**Answer: D) Crater**

28. Which type of arc produces humming sound?

- A) Normal arc length
- B) Long arc length
- C) Too long arc length
- D) Short arc length

**Answer: B) Long arc length**

29. Which arc length produces correct fusion?

- A) Normal arc length
- B) Too long arc length
- C) Long arc length
- D) Short arc length

**Answer: A) Normal arc length**

30. Which polarity used in welding cast iron?

- A) Reverse polarity
- B) Straight polarity
- C) AC Transformer
- D) Rectifier set

**Answer: A) Reverse polarity**

31. Which one of the following is used to convert AC to DC supply in a welding machine?

- A) Engine generator set
- B) Rectifier set
- C) Motor generator set
- D) Welding transformer

**Answer: B) Rectifier set**

32. What is defined as vertical position of groove welding?

- A) 2G
- B) 1G
- C) 3G
- D) 6G

**Answer: C) 3G**

33. What is polarity?

- A) Circuit of current
- B) Opp direction of current
- C) Open circuit of current
- D) Direction of current

**Answer: D) Direction of current**

34. Which types of arc length used in thin sheet metals?

- A) Short arc length                      B) Long arc length  
C) Deep short arc length                D) Medium arc length

**Answer: B) Long arc length**

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**35.** Which type of polarity is used in welding non ferrous metals?

- A) AC Transformer                      B) DC Motor generator  
C) Reverse polarity                      D) Straight polarity

**Answer: C) Reverse polarity**

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**36.** What should be the angle for a double bevel butt joint?

- A) 35 Degree                                B) 45 Degree  
C) 25 Degree                                D) 20 Degree

**Answer: B) 45 Degree**

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**37.** What is the conversion function of a rectifier?

- A) DC to DC                                B) AC to DC  
C) AC to AC                                D) DC to AC

**Answer: B) AC to DC**

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**38.** What are the two types of MS pipes?

- A) Forged pipe / Rolled pipe        B) Bent sheet pipe / Hot forged  
C) Strip rolled / moulded type        D) Seamless pipe / Resistance welded pipe

**Answer: D) Seamless pipe / Resistance welded pipe**

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**39.** What arc length should be used to reduce the spatter?

- A) Long arc length                      B) Short arc length  
C) Normal arc length                    D) Too long arc length

**Answer: C) Normal arc length**

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**40.** What is the purpose of wrapping the weld cable around the job in welding?

- A) To control arc length                B) To control distortion  
C) To control arc blow                    D) To control arc speed

**Answer: C) To control arc blow**

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**41.** Which type of polarity used in bare wire electrode

- A) AC Transformer                      B) Straight polarity  
C) Rectifier set                            D) Reverse polarity

**Answer: B) Straight polarity**

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**42.** Which of the accessories should be worn during overhead welding?

- A) Sun glass                                B) Welding goggles  
C) Helmet                                    D) Hand screen

**Answer: C) Helmet**

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**43.** Which type of arc length produces deep penetration weld?

- A) Short arc length                      B) Medium arc length  
C) Too long arc length                    D) Long arc length

**Answer: A) Short arc length**

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