

Duration: 30 Mins

Total Marks: 43

ID: ITISKILL4886B8

Student Name: _____ Roll No: _____

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

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

2. What is polarity?

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

3. Which type of arc length produces deep penetration weld?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

12. Which polarity used in welding cast iron?

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

13. Which type polarity used in sheet metal welding?

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

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

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

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

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

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

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

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

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

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

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

19. Which arc length produces popping sound?

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

20. Which type of polarity used in bare wire electrode

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

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

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

22. Which arc length produces correct fusion?

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

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

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

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

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

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

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

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

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

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

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

28. Which position is advantageous for easy welding?

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

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

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

30. What are the two types of MS pipes?

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

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

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

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

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

33. Which type of arc produces humming sound?

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

34. Which type of electrode produces short arc length?

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

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

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

36. What is the conversion function of a rectifier?

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

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

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

38. Which type of transformer used in arc welding?

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

39. Which one of the following is used to convert AC to DC

supply in a welding machine?

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

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

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

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

- A) Butt joint
- B) Tee joint

C) Edge joint

D) Lap joint

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

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

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

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