

**Duration: 30 Mins**

**Total Marks: 55**

**Q.ID: ITISKILL3435OH**

1. Which Material is used in Manufacture gas cylinder ?

- A) Forged steel
- B) Nickel steel
- C) Solid Drawn steel
- D) Stainless steel

**Answer: C) Solid Drawn steel**

2. What procedure is followed to connect the cylinder to gas regulator in gas welding?

- A) No need to open the valve before connection
- B) Open the valve for a few minutes of time
- C) Open & close valve for few seconds
- D) Open the valve for a longer period

**Answer: C) Open & close valve for few seconds**

3. What should be the angle for a double V butt joint?

- A) 35 Degree
- B) 30 Degree
- C) 25 Degree
- D) 20 Degree

**Answer: D) 20 Degree**

4. Which type of welding is done by a small hand weld gun with a non-consumable electrode?

- A) GMAW
- B) GTAW
- C) SMAW
- D) Induction welding

**Answer: B) GTAW**

5. Which nozzle size is selected to cut 15 mm thick MS plate?

- A) 1.2 mm
- B) 2.0 mm
- C) 1.6 mm
- D) 0.8 mm

**Answer: A) 1.2 mm**

6. How much gap is maintained between the grinding wheel and the work rest on a pedestal grinder?

- A) 1 to 2 mm
- B) 2 to 3 mm
- C) 4 to 5 mm
- D) 3 to 4 mm

**Answer: B) 2 to 3 mm**

7. Which is the method to control back fire while welding?

- A) First close the oxygen cylinder valve
- B) First close the acetylene cylinder valve
- C) Close acetylene control valve
- D) Close oxygen control valve

**Answer: D) Close oxygen control valve**

8. What are the impurities contained in generated acetylene gas?

- A) Carbon monoxide unburnt ash
- B) Hydrogen, lime dust, ammonia and water
- C) Oxygen, hydrogen and carbon
- D) Hydrogen, dust particles, ash

**Answer: B) Hydrogen, lime dust, ammonia and water**

9. Why should a welder clothes be free of oil or grease while welding?

- A) To protect the job
- B) To protect the welding machine
- C) To avoid catching of fire
- D) To reflect the arc rays

**Answer: C) To avoid catching of fire**

10. What treatment you should give to a person who suffered from electric shock?

- A) Given a cold drink
- B) Made to walk
- C) Given an alcoholic drink
- D) Keep warm and comfortable

**Answer: D) Keep warm and comfortable**

11. What are the gas flame combination used for welding ferrous and non ferrous alloys?

- A) Acetylene + Oxygen
- B) LPG + Air
- C) Hydrogen + Oxygen
- D) Acetylene + Air

**Answer: A) Acetylene + Oxygen**

12. What precaution you will follow in gas welding to avoid fire accidents?

- A) Keep fire extinguishers
- B) Keep sand buckets near
- C) Keep away the inflammable materials
- D) Alert to go away

**Answer: C) Keep away the inflammable materials**

13. What happened if bench vice is over tightened?

- A) Box nut damaged
- B) Spindle damaged
- C) Work pieces damaged
- D) Work bench damaged

**Answer: B) Spindle damaged**

14. Which is a resistance welding method?

- A) Forge welding
- B) Explosive welding
- C) Spot welding
- D) Thermit welding

**Answer: C) Spot welding**

15. What safety measure to be taken while performing hacksaw cutting?

- A) Hold the handle improperly while sawing  
B) Blade secured with adequate tension  
C) Pressure applied during sawing  
D) Improper working height

**Answer: B) Blade secured with adequate tension**

16. Which injury is to be covered immediately by clean cloth on affected portion of the body?

- A) Cut injury  
B) Burn injury  
C) Broken injury  
D) Crush injury

**Answer: B) Burn injury**

17. Which gas flame combination is preferable for under water gas cutting of steel?

- A) Oxy coal gas  
B) Oxy liquid petroleum gas  
C) Oxy acetylene gas  
D) Air acetylene gas

**Answer: A) Oxy coal gas**

18. Which cutting tool is used to remove excess material on flat surface?

- A) Cross - Cut chisel  
B) Flat chisel  
C) Diamond point chisel  
D) Half - Round nose chisel

**Answer: B) Flat chisel**

19. Which part of hammer is shaped to fit the handle rigidly?

- A) Big hole  
B) Plain hole  
C) Eye hole  
D) Key hole

**Answer: C) Eye hole**

20. Which safety device is to be used to protect eyes while grinding?

- A) White goggles  
B) Sun glasses  
C) Hand screen  
D) Welding goggles

**Answer: A) White goggles**

21. What are the solutions for the safety in the gas welding?

- A) No checking of the cylinder  
B) Work area free from flammable material  
C) Not learning safety instructions  
D) Not Checking on hose and gauge for damage

**Answer: B) Work area free from flammable material**

22. What is the effect of ultra violet and infra red rays if a welder exposed to that rays?

- A) Effect to body  
B) Effect to face  
C) Effect to eyes  
D) Effect to skin

**Answer: C) Effect to eyes**

23. What is the method to produce a straight bevelled cut?

- A) Supporting the nozzle head on the plate  
B) Cutting on the marked line

- C) Using two straight bars clamped as a guide  
D) Bending the torch at inclined angle

**Answer: C) Using two straight bars clamped as a guide**

24. Which of the following injury is common in gas welding?

- A) Bleeding due to cut injury  
B) Electric shock  
C) Injury by hot flying particles  
D) Burns due to flame

**Answer: D) Burns due to flame**

25. What is the thickness of the plate that can be cut by using 0.8 mm cutting nozzle?

- A) Upto 6 mm  
B) Upto 100 mm  
C) Upto 150 mm  
D) Upto 19 mm

**Answer: A) Upto 6 mm**

26. What is the use of oxidising flame?

- A) Suitable for cast iron welding  
B) Suitable for mild steel welding  
C) Suitable for stellite, pipe welding  
D) Suitable for brass welding

**Answer: D) Suitable for brass welding**

27. Which of the following metal is used for making nozzle in gas welding?

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

**Answer: B) Copper**

28. What is done to avoid injury to fingers after hacksawing or chiselling a metal piece?

- A) Cleaning  
B) Filing  
C) De buring  
D) Grinding

**Answer: C) De buring**

29. What is to be placed at the root of a weld to contain the molten metal?

- A) Sealing  
B) Backing  
C) Facing  
D) Wearing

**Answer: B) Backing**

30. Which cut of files has two rows of teeth, cut diagonally to each other?

- A) Curved cut  
B) Single cut  
C) Rasp cut  
D) Double cut

**Answer: D) Double cut**

31. Which safety device is used to protect the body from hot spatters while welding?

- A) Helmet  
B) Hand sleeves  
C) Leg guards  
D) Leather apron

**Answer: D) Leather apron**

32. What is the reason for forming of irregular draglines in gas cutting process?

- A) Low oxygen pressure
- B) Low acetylene pressure
- C) Excess acetylene pressure
- D) Excess oxygen pressure

**Answer: A) Low oxygen pressure**

33. How many pressure gauges are in regulator gas welding plant?

- A) Three pressure gauges
- B) Four pressure gauges
- C) Two pressure gauges
- D) One pressure gauge

**Answer: B) Four pressure gauges**

34. Which safety device is used to protect face from ultra-violet rays while welding?

- A) Chipping hammer
- B) Try square
- C) Tong
- D) Hand shield

**Answer: D) Hand shield**

35. Which file is having its width parallel throughout its length?

- A) Flat file
- B) Hand file
- C) Curved file
- D) Rasp file

**Answer: B) Hand file**

36. Which hand tool is used to remove excessive adhering slag after gas cutting?

- A) Flat file
- B) Chisel
- C) Cross cut hammer
- D) Chipping hammer

**Answer: B) Chisel**

37. How a defective cutting nozzle is cleaned and rectified in gas cutting torch?

- A) Safety pins
- B) Silicon spray
- C) Nozzle cleaner + Emery paper
- D) Wire brush

**Answer: C) Nozzle cleaner + Emery paper**

38. Which is used for handling hot jobs?

- A) Tongs
- B) Shovel
- C) Snips
- D) Poker

**Answer: A) Tongs**

39. What is the treatment to a person having eye irritation caused by arc flashes?

- A) Use nose drops
- B) Use water drops
- C) Use ear drops
- D) Use eye drops

**Answer: D) Use eye drops**

40. Which safety device is fitted to avoid explosion of acetylene generator due to high pressure?

- A) Cylinder valve
- B) Hydraulic back pressure valve
- C) Baffle plate
- D) Acetylene generator outlet pipe

**Answer: B) Hydraulic back pressure valve**

41. Which material is stored at the bottom compartment of acetylene gas purifier?

- A) Baffle plate
- B) Pumice stone
- C) Purifying Chemicals
- D) Filter wool

**Answer: B) Pumice stone**

42. Which tool is used to open the cylinder valves?

- A) Adjustable spanner
- B) Spindle key
- C) Cutting player
- D) Wrench

**Answer: B) Spindle key**

43. Which is the treatment given to a person affected by accident on the spot?

- A) First aid
- B) First treatment
- C) Second treatment
- D) Second aid

**Answer: A) First aid**

44. What is the special method for safe storage of acetylene gas in cylinder?

- A) Stored as dissolved gas in liquid acetone
- B) Stored in gaseous form
- C) Stored in semi-liquid form
- D) Stored in the solid form

**Answer: A) Stored as dissolved gas in liquid acetone**

45. What is the name of semi circular deposit on a weld bead?

- A) Sealing run
- B) Reinforcement
- C) Crater
- D) Under cut

**Answer: B) Reinforcement**

46. Which part of the hammer fits into the handle for its rigidity?

- A) Pein
- B) Face
- C) Wedge
- D) Cheek

**Answer: C) Wedge**

47. What is the purpose of providing root gap?

- A) To avoid cracking
- B) To avoid porosity
- C) To avoid distortion
- D) To increase depth of penetration

**Answer: D) To increase depth of penetration**

48. Which operation is to remove burrs from a plate after cutting?

- A) Brushing
- B) Chiselling
- C) Filing
- D) Scraping

**Answer: C) Filing**

49. What action to be taken if a person in still contact with electric supply?

- A) Break the contact by hand  
B) Break the contact by using iron rod  
C) Break the contact by pushing with leg  
D) Break the contact by dry wood

**Answer: D) Break the contact by dry wood**

50. What is the fusion zone?

- A) Fused depth  
B) Lack of fusion  
C) Surface of the joint  
D) Edge of the joint

**Answer: C) Surface of the joint**

51. Which type of blade set is available in a hacksaw blade with 1.00mm pitch?

- A) Staggered set  
B) Wave set  
C) Regular set  
D) Wave - staggered set

**Answer: D) Wave - staggered set**

52. Which is to wear for safety while handling thin sheets?

- A) Tongs  
B) Clamp  
C) Hand gloves  
D) Hand screen

**Answer: C) Hand gloves**

53. Which tool is to be used to remove slag on welded bead?

- A) Chisel  
B) Try square  
C) Ball pane hammer  
D) Chipping hammer

**Answer: D) Chipping hammer**

54. Which material is used to check the leakage of acetylene regulator connections?

- A) Plain water  
B) Chemical water  
C) Soap water  
D) Salt water

**Answer: C) Soap water**

55. Which is the hottest point in a oxyacetylene flame?

- A) 2000 - 2200 Degree Centigrade  
B) 3000 - 3200 Degree Centigrade  
C) 2700 - 3000 Degree Centigrade  
D) 2500 - 2700 Degree Centigrade

**Answer: B) 3000 - 3200 Degree Centigrade**