

**Duration: 30 Mins**

**Total Marks: 55**

**ID: ITISKILL3435OH**

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

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

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

**3.** Which Material is used in Manufacture gas cylinder ?

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

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

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

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

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

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

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

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

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

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

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

**9.** What is the thickness of the plate that can be cut by using

0.8 mm cutting nozzle?

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

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

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

**11.** Which is a resistance welding method?

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

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

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

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

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

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

- A) Cutting on the marked line        B) Supporting the nozzle head on the plate  
C) Using two straight bars clamped as a guide    D) Bending the torch at inclined angle

**15.** Which tool is used to open the cylinder valves?

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

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

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

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

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

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

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

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

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

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

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

21. What happened if bench vice is over tightened?

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

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

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

23. 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 eyes  
C) Effect to skin  
D) Effect to face

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

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

25. Which is used for handling hot jobs?

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

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

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

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

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

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

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

29. 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

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

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

31. What is the use of oxidising flame?

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

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

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

33. 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 oxygen control valve  
D) Close acetylene control valve

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

44. What is the fusion zone?

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

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

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

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

- A) Welding goggles
- B) Sun glasses

C) White goggles

D) Hand screen

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

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

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

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

49. What is the purpose of providing root gap?

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

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

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

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

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

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

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

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

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

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

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

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

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