

**Duration: 30 Mins****Total Marks: 20****Q.ID: ITISKILL8736PY**

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

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

**Answer: C) Reverse polarity**

2. What is the grade of hacksaw blades with pitch 0.8mm?

- A) Course      B) Fine  
C) Medium      D) Rough

**Answer: B) Fine**

3. What does the fourth digit indicate as per AWS electrode coding?

- A) Welding position      B) Tensile strength  
C) Welding current      D) Type of flux coating

**Answer: D) Type of flux coating**

4. What is the root run?

- A) The third run is root run      B) The first run is root run  
C) The second run is root run      D) Backing run

**Answer: B) The first run is root run**

5. Which welding the slag inclusion defect will occur?

- A) Malattic invert gas welding      B) Oxy - acetylene gas welding  
C) Manual metal arc welding      D) Tungsten invert gas welding

**Answer: C) Manual metal arc welding**

6. What is the purpose of oxygen lever in gas cutting?

- A) Pre heat the base metal      B) Remove the excess metal  
C) Release excess oxygen and to push the molten metal      D) Push the molten metal

**Answer: C) Release excess oxygen and to push the molten metal**

7. Which is used to cut thin pipes of smaller sizes?

- A) Chisel      B) Hack sawing  
C) Pipe cutter      D) Lathe parting tool

**Answer: C) Pipe cutter**

8. Which type of cast iron is soft?

- A) White cast iron      B) Nodular cast iron

C) Malleable cast iron

D) Grey cast iron

**Answer: D) Grey cast iron**

9. How a pipe is specified?

- A) Length only      B) Dia only  
C) Outer dia only      D) Outer dia x inner dia x length

**Answer: D) Outer dia x inner dia x length**

10. Which heat treatment process causes the reduction of brittleness in the steel?

- A) By normalising      B) By annealing  
C) By tempering      D) By hardening

**Answer: C) By tempering**

11. What is the cause of porosity in arc welding?

- A) Carbon electrodes      B) Low hydrogen electrodes  
C) Over size electrodes      D) Damp electrodes

**Answer: D) Damp electrodes**

12. How the repairs of cracks in cast iron component carried out?

- A) By using clamps during welding process      B) Similar to arc welding mild steel plate  
C) Cracks repaired using appropriate electrode      D) Local preheating, leftward welding technique flame heating each layer

**Answer: D) Local preheating, leftward welding technique flame heating each layer**

13. What benefit we get out of a carburising flame?

- A) Suitable for mildsteel, stainless steel      B) Suitable for brass, copper welding  
C) Suitable for pure aluminium, cast iron & brass welding      D) Suitable for stellite, flame cleaning

**Answer: D) Suitable for stellite, flame cleaning**

14. What is the composition of acetylene gas?

- A) C - 90% H - 10%      B) C - 82.3% H - 17.7%  
C) C - 72.3% H - 27.7%      D) C - 92.3% H - 7.7%

**Answer: D) C - 92.3% H - 7.7%**

15. What is the reason for the defect of more spatter during arc welding?

- A) Use of a very short arc length  
B) Wrong angle of electrode  
C) Welding current too high  
D) Insufficient root gap

**Answer: C) Welding current too high**

**16.** Which of the following metals have high thermal conductivity?

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

**Answer: B) Copper**

**17.** Which gauging nozzle is selected for rivet head cutting?

- A) Flute cutting straight with six holes  
B) Straight nozzle with six pre-heating holes  
C) Bent nozzle with three pre-heating holes  
D) Bent nozzle with six holes

**Answer: C) Bent nozzle with three pre-heating holes**

**18.** Which filler rod is used for bronze welding of cast iron,

malleable iron and copper?

- A) Manganese, Bronze, filler rod  
B) Copper, Phosphorous, filler rod  
C) Copper, Phosphorous alloy filler rod  
D) Copper, Zinc, Nickel filler rod

**Answer: D) Copper, Zinc, Nickel filler rod**

**19.** Which of the following produces unstable arc?

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

**Answer: D) Long arc length**

**20.** How is the electrode size identified?

- A) Diameter (over all) of electrode  
B) Length of electrode  
C) Diameter of inner core wire  
D) Thickness of flux coated

**Answer: C) Diameter of inner core wire**