

**Duration: 30 Mins****Total Marks: 32****Q.ID: ITISKILL8473YK**

1. What is the post-heated temperature of plain carbon steel?

- A) 400 Degree Centigrade to 500 Degree Centigrade  
B) 100 Degree Centigrade to 300 Degree Centigrade  
C) 350 Degree Centigrade to 400 Degree Centigrade  
D) 500 Degree Centigrade to 550 Degree Centigrade

**Answer: B) 100 Degree Centigrade to 300 Degree Centigrade**

2. Which metal surfacing method is ideal for thin layers, which can flow to corner and edges of the job?

- A) Oxy-acetylene welding  
B) Submerged arc welding  
C) TIG welding  
D) MIG welding

**Answer: A) Oxy-acetylene welding**

3. Which is the result of qualification generally recorded in particular format?

- A) Welder Performance Qualification (WPQ)  
B) Welding Procedure Qualification (WPS)  
C) Procedure Qualification Record (PQR)  
D) Welder Procedure Specification (WPS)

**Answer: C) Procedure Qualification Record (PQR)**

4. What is the advantage of hard facing ?

- A) To increase idle time of plant  
B) To decrease mechanical efficiency  
C) To increase the labour cost  
D) To increase mechanical operating efficiency

**Answer: D) To increase mechanical operating efficiency**

5. Why hard facing is done for worn out parts?

- A) To reduce mechanical operating efficiency  
B) Instead of buying new repairing of old parts  
C) To get brittleness  
D) To increase labour cost

**Answer: B) Instead of buying new repairing of old parts**

6. What is the wear caused by liquids or gases striking metal parts at high speed?

- A) Erosion  
B) Rust  
C) Corrosion  
D) Friction

**Answer: A) Erosion**

7. Which action on metal parts shall deform, fracture or peel off in pieces?

- A) Erosion  
B) Friction  
C) Impact load  
D) Abrasion

**Answer: C) Impact load**

8. Which method, surfacing can be done in any position or in any location?

- A) Tig welding  
B) Submerged arc welding  
C) MIG welding  
D) Shielded metal arc welding

**Answer: D) Shielded metal arc welding**

9. What should be the electrode angle while building up worn out shaft?

- A) 90 Degree - 110 Degree  
B) 50 Degree - 60 Degree  
C) 30 Degree - 40 Degree  
D) 70 Degree - 80 Degree

**Answer: D) 70 Degree - 80 Degree**

10. Which process is suitable and gives independence when there is a shortage of part?

- A) It should temperature  
B) It should be hard faced  
C) It should be heat treated  
D) It should be peened

**Answer: B) It should be hard faced**

11. Which is the process to paint with particles by electro static charging?

- A) Powder coating  
B) Thermal spraying  
C) Electro plating  
D) Metal

**Answer: A) Powder coating**

12. What is the basis of welder performance qualification?

- A) Quick weld of quality  
B) Test weld of quality  
C) Ability of welding  
D) Quality welder performance qualification

**Answer: D) Quality welder performance qualification**

13. Which process cuts the stainless steel, carbon steel with the help of high jet velocity?

- A) Plasma arc process  
B) Micro plasma cutting process  
C) Non-transferred plasma  
D) Key hole plasma process

**Answer: A) Plasma arc process**

14. Which type of test is conducted as per WPS to evaluate the delivery of sound and quality welds?

- A) Without any test  
B) Non-destructive test  
C) Destructive test  
D) Semi-destructive test

**Answer: C) Destructive test**

15. Which electrodes are used to resist abrasion for hard facing in MMAW process?

- A) Mild steel
- B) Cast iron
- C) Aluminium
- D) Chromium and tungsten carbide

**Answer: D) Chromium and tungsten carbide**

16. Which one of the following method is not related to surfacing metal?

- A) Oxy-acetylene method
- B) Grinding method
- C) SAW method
- D) TIG welding method

**Answer: B) Grinding method**

17. What are the characteristics stated in the weld procedure qualification?

- A) Essential
- B) Essential and Non-essential
- C) Standard
- D) Non-essential

**Answer: A) Essential**

18. How does a metal part looks like, if it gets oxidised?

- A) Eroded
- B) Abrasion
- C) Corroded
- D) Rusted

**Answer: D) Rusted**

19. Which method is suitable for surfacing the metal part and for high quality of weld and high deposition rate?

- A) Submerged arc welding
- B) MIG welding
- C) Oxy-acetylene method
- D) Manual metal arc welding

**Answer: A) Submerged arc welding**

20. Which type of tests are conducted by WPS, to test welder's performance?

- A) Semi-destructive test
- B) Non-destructive test
- C) Non-testened
- D) Destructive test

**Answer: B) Non-destructive test**

21. What is the main aim of welding procedure qualification, in a test to ascertain?

- A) Properties of weld withstand and designed conditions
- B) Performs of weld withstand designed conditions
- C) Power of weld
- D) Perfect of weld withstand all condition

**Answer: A) Properties of weld withstand and designed conditions**

22. Which method is suitable for surfacing method to have smooth and thin layer?

- A) Plasma welding
- B) Shielded metal arc welding
- C) MIG welding
- D) Submerged arc welding

**Answer: A) Plasma welding**

23. Which is the operation to relieve residual stresses from the welding joint?

- A) Pre heating
- B) Drilling
- C) Post heating
- D) Peening

**Answer: C) Post heating**

24. Which welding process is more desirable in filling up grooves on any surface?

- A) Shielded metal arc welding method
- B) Submerged arc welding method
- C) TIG welding method
- D) Oxy-acetylene welding method

**Answer: D) Oxy-acetylene welding method**

25. What is the typical advantage of hard facing for a worn out metal?

- A) To decrease the mechanical property
- B) To increase mechanical operating efficiency
- C) To increase idle time
- D) To increase labour cost

**Answer: B) To increase mechanical operating efficiency**

26. What is the code number given for pressure vessel manufacturing, exclusively for steel and steel alloy?

- A) P1 to P11
- B) P21 to P30
- C) P43 to P47
- D) P31 to P35

**Answer: A) P1 to P11**

27. What is the purpose of metal build up process, on a worn metal?

- A) To repair broken parts
- B) To reduce excess weld metal
- C) To build worn out product made new
- D) To make joints

**Answer: C) To build worn out product made new**

28. What defect occur while grinding or scratching action of hard particle on metal part?

- A) Impact
- B) Erosion
- C) Abrasion
- D) Friction

**Answer: C) Abrasion**

29. What is the purpose of metal build up on the worn out metal parts?

- A) To get brightness
- B) To make them good as new and obtain require properties
- C) To change its dimensions
- D) To reduce its shape and properties

**Answer: B) To make them good as new and obtain require properties**

30. What is the grouping P code number for welding covered under copper and copper based alloys?

- A) P1 to P11
- C) P43 to P47

- B) P21 to P30
- D) P31 to P35

**Answer: D) P31 to P35**

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**31.** What is the expanded form of PQR?

- A) Procedure qualification record
- C) Procedure qualification response
- B) Procedure quality record
- D) Procedure qualification read

**Answer: A) Procedure qualification record**

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**32.** What is the expanded form of WPS?

- A) Welding procedure speed
- C) Welding procedure standards
- B) Welding procedure separation
- D) Welding procedure specification

**Answer: D) Welding procedure specification**

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