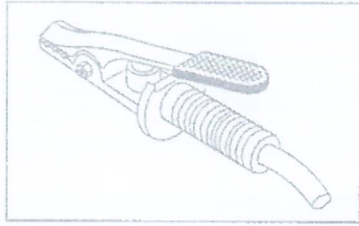


9. What is the process of sudden opening and closing of the cylinder valve for 2 to 3 seconds before attaching regulator to the cylinder?
- a) Cracking
 - b) Opening
 - c) Bursting
 - d) Closing
10. What is the ratio of oxygen and acetylene for complete combustion?
- a) 2:5:1
 - b) 3:1
 - c) 2:1
 - d) 2:1:5
11. Which thickness of mild steel plate is welded by rightward welding technique?
- a) Above 5 mm
 - b) Above 3 mm
 - c) Above 1.5 mm
 - d) Above 10 mm
12. What is the capacity of oxygen gas in manifold system?
- a) 160 m³
 - b) 120 m³
 - c) 150 m³
 - d) 90 m³
13. What is indicated by 18/8 in austenitic stainless steel?
- a) 18% chromium, 8% nickel
 - b) 18% carbon, 8% nickel
 - c) 18% nickel, 8% chromium
 - d) 18% iron, 8% nickel
14. Which is the suitable filler rod for fusion welding of cast iron?
- a) Super silicon cast iron filler rod
 - b) Copper silver alloy filler rod
 - c) Manganese bronze filler rod
 - d) Cast iron filler rod
15. What is the melting point of aluminium oxide?
- a) 1930°C
 - b) 1083°C
 - c) 1300°C
 - d) 659°C
16. Name the joint of the plates to be welded are placed in the same line.
- a) T joint
 - b) Lap joint
 - c) Edge joint
 - d) Butt joint
17. Which arc length promote more surface tension effect?
- a) Long Arc
 - b) Short Arc
 - c) Normal Arc
 - d) Medium Arc
18. Name the force that increases the deposit rate of weld metal in flat position.
- a) Electromagnetic force
 - b) Surface tension
 - c) Gas expansion force
 - d) Gravity force
19. Which defect is prevented by using columbium added electrodes in stainless steel welding?
- a) Spatter
 - b) Distortion
 - c) Excess deposition
 - d) Weld decay

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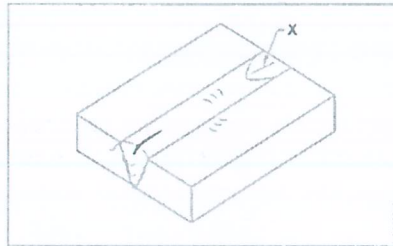
20. Name the welding accessory.



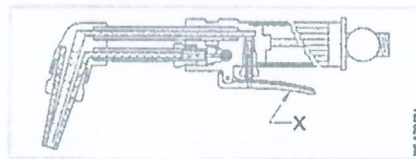
- a) Earth cable
b) Earth clamp
c) Electrode holder
d) Power cable
21. Which material is used to manufacture gas cutting blow pipe?
a) Copper
b) Brass
c) Aluminium
d) Stainless steel
22. Which problem is reduced by "Run ON and Run OFF" plates in DC welding?
a) Crack
b) Arc blow
c) Distortion
d) Weld decay
23. Name the joint setup for welding plates with perfect alignment and root gap.
a) Tack weld
b) Dressing
c) Skip weld
d) Penning
24. Which is the function of coating in electrode?
a) Prevent rusting
b) Stabilize the arc
c) Control distortion
d) Increase the current
25. Which electrode contain large amount of iron powder in their coating?
a) Deep penetration electrode
b) Contact electrode
c) Cutting and gauging electrode
d) Low hydrogen electrode welding
26. Name the process of hammering the weld bead immediately after it is deposited.
a) Pinning
b) Peening
c) Pickling
d) Dressing
27. Which letter indicates the property of radio graphic quality in coding of electrodes?
a) R
b) C
c) X
d) A
28. What is the cause of hair line crack in welded joint?
a) Lack of preheating and post heating
b) Skip welding
c) Medium arc length
d) Slow cooling
29. What does the 2nd digit number "4" represent in the classification of electrode EB5426H1JX?
a) Current range
b) Percentage of elongation
c) Welding position
d) Tensile strength
30. Which type of arc is to avoid undercut and reinforcement?
a) Arc blow
b) Short arc
c) Medium arc
d) Long arc

Contd...4/-

31. Which remedial measure to eliminate the undercut defect in arc welding?
 a) Increase the welding speed b) Proper welding speed
 c) Increase the welding current d) Pre heat the plates to be welded
32. Which factor causes the defect of porosity in welding?
 a) Damp electrode b) Light coated electrode
 c) Over sized electrode d) Small diameter electrode
33. Name the defect marked 'x' in welding –



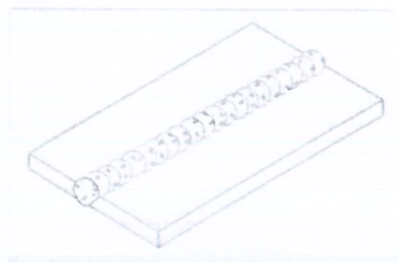
- a) Blow hole b) Porosity
 c) Crater crack d) Under cut
34. What is the advantage of extrusion method of flux coating?
 a) Prevent distortion b) Deoxidising agent
 c) Uniform melting of electrode d) Prevent slag formation
35. Identify the part marked 'x' in cutting torch.



- a) Oxygen lever b) Oxygen pipe
 c) Oxygen valve d) Mixing chamber
36. Name the defect marked 'x' in welding.



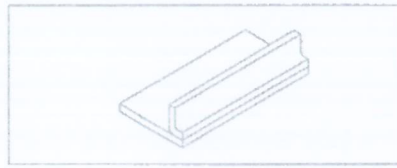
- a) Reinforcement b) Leg length
 c) Toe of weld d) Overlap
37. Name the welding defect.



- a) Crack b) Porosity
 c) Blow hole d) Burn through

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38. Name the weld joint.

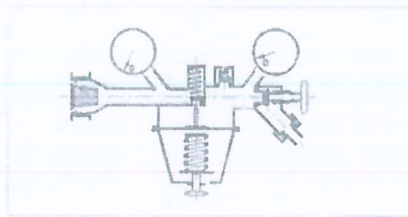


- a) Strap joint
- b) Corner joint
- c) Edge joint
- d) Groove joint

39. Name the tool used to clean the nozzle orifice of the blow pipe.

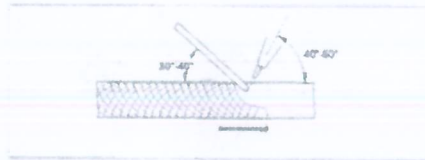
- a) Needle file
- b) Tip cleaner
- c) Weld gauge
- d) Feeler gauge

40. Name the device.



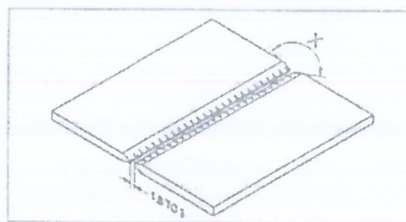
- a) Constant regulator
- b) Single stage regulator
- c) Double stage regulator
- d) Variable stage regulator

41. Name the gas welding technique.



- a) Vertical welding technique
- b) Forward welding technique
- c) Leftward welding technique
- d) Rightward welding technique

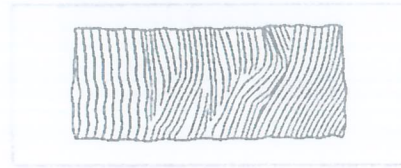
42. What is the groove angle marked 'x' in welding joint?



- a) 60°
- b) 70°
- c) 80°
- d) 90°

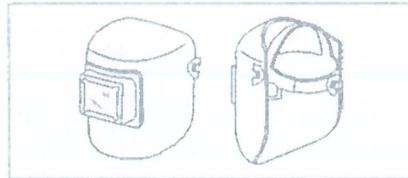
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43. Which factor causes the gas cutting fault?



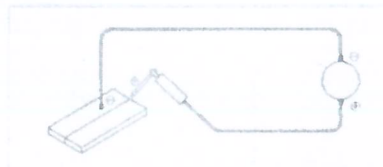
- a) Tip too close
- b) Too slow cutting speed
- c) Too high cutting speed
- d) Correct cutting speed

44. Name the safety apparel –



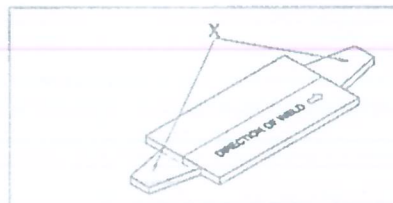
- a) Hand screen
- b) Grinding shield
- c) Welding helmet
- d) Chipping shield

45. Name the polarity in welding set up –



- a) DCSP
- b) DCNP
- c) DCEN
- d) DCEP

46. Name the plates marked 'x' -



- a) Tack plates
- b) Run on plates
- c) Run off plates
- d) RUN ON and RUN OFF plates

47. What is the purpose of normalizing?

- a) Induce toughness
- b) Soften the metal
- c) Control distortion
- d) Stress relieving

48. What is the purpose of tempering the steel in heat treatment?

- a) Induce hardness
- b) Induce brittleness
- c) Regulate softness
- d) Regulate hardness and toughness

49. What is the purpose of alloying elements that added in the metal?
- a) Increase physical properties
 - b) Increase the mechanical properties
 - c) Decrease physical properties
 - d) Decrease the mechanical properties
50. Which type of flux coated electrode suitable for general purpose fabrication work?
- a) Rutile electrode
 - b) Cellulosic electrode
 - c) Iron powder electrode
 - d) Basic coated electrode
