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10. Acetylene gas is stored in cylinders in –
- a) Solid form
 - b) Gaseous form
 - c) Liquid form
 - d) Any one of these
11. Junction between weld face and base metal is known as?
- a) Throat
 - b) Toe
 - c) Root
 - d) Puddle
12. Weld pass is associated with the movement of?
- a) Torch
 - b) Metal
 - c) Flux
 - d) Electrode
13. Amount of current required to generate the arc under no load condition is called?
- a) Open circuit current
 - b) Closed circuit current
 - c) Short circuit current
 - d) Arc current
14. If a worker has suffered from electric shock, he should be –
- a) Given an alcoholic drink
 - b) Given a cold drink
 - c) Made to walk
 - d) Kept warm and covered
15. Which type of fire extinguisher is used in a welding shop?
- a) Foam type extinguisher
 - b) Dry powder extinguisher
 - c) CO₂ extinguisher
 - d) Halon extinguisher
16. For tapping with M5 tap. What size drill will you use?
- a) 4.5 mm
 - b) 4.0 mm
 - c) 3.8 mm
 - d) 3.5 mm
17. Which coolant is used for drilling the aluminum job?
- a) Dry air
 - b) Kerosene
 - c) Soluble oil
 - d) Mineral oil
18. In a vernier micrometer, vernier scale is graduated on –
- a) Thimble
 - b) Spindle
 - c) Barrel
 - d) Frame
19. _____ is an operation of bevelling the end of a drilled hole.
- a) Hacksawing
 - b) Filing
 - c) Countersinking
 - d) Turning
20. The angle of countersink rivets are –
- a) 80°
 - b) 90°
 - c) 75°
 - d) 120°
21. The charge is fed into the blast furnace through the -
- a) Throat
 - b) Stack
 - c) Bosh
 - d) Tuyere
22. _____ are useful for heavy duty work.
- a) Countersink with pilot
 - b) Countersink with one flute
 - c) Countersink with two flutes
 - d) All of these

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23. The point angle of twist drill depends upon the –
a) Cutting speed
b) Type of drilling machine
c) Size of the drill
d) Material to be drilled
24. _____ angle is the angle of flute.
a) Helix
b) Point
c) Clearance
d) Rake
25. Reasons for overheated drills –
a) Cutting speed is too high
b) Feed rate is too high
c) Clearance angle is incorrect
d) All of the above
26. Twist drills are designated by –
a) Diameter
b) Tool Type
c) Material
d) All of these
27. The material used for coating of electrode is called –
a) Blander
b) Flux
c) Slag
d) All of these
28. _____ is used to remove slags from welding joints.
a) Chipping hammer
b) Wire brush
c) Welding hand screen
d) Tongs
29. Helical grooves on body of reamers are known as –
a) Flutes
b) Face
c) Heel
d) Recess
30. Small flat surface in between cutting edge and the heel of a reamer is known as –
a) Flutes
b) Face
c) Heel
d) Land
31. Reduction in body diameter toward shank of reamer is known as –
a) Flutes
b) Face
c) Heel
d) Recess
32. Taper shank of reamer can be gripped by –
a) Flutes
b) Face
c) Heel
d) Shank
33. A screw thread is designated as 1" B.S.P. thread, in 1 inch B.S.P. thread what 1" indicates?
a) Major diameter of thread
b) Minor diameter of thread
c) Pitch diameter of thread
d) Hole diameter of pipe
34. The grain size of a grinding wheel is indicated by numbers, which range of grain size referred to as 'Very Fine'?
a) 10 – 24
b) 30 - 60
c) 80 – 180
d) 220 – 600

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35. It is commonly observed that the face of a grinding wheel becomes shiny and smooth or glazed after some use due to one of the reasons stated below?
- a) Grade of wheel is too hard
 - b) Abrasive of the wheel not suitable for the purpose
 - c) Grain size is too coarse
 - d) Structure of the wheel is too open
36. Which of the following symbols range of alphabet represent soft grain in grinding wheel?
- a) A – H
 - b) I – P
 - c) Q – T
 - d) T – Z
37. Which of the following is correct range for grain number of grinding wheel for coarse grains?
- a) 220-600
 - b) 80-180
 - c) 30-60
 - d) 10-24
38. What will be the result if the clearance angle in drill is increased?
- a) Poor wedging action
 - b) Weak cutting edge
 - c) Rough hole surface
 - d) Increased point angle
39. A product is said to have the quality when?
- a) Its shape and dimensions are within the limits
 - b) It appears to be very good
 - c) It is fit for use
 - d) The choice of material is right
40. How do you recognize a drill for soft metal?
- a) By the large helix angle
 - b) By the small helix angle
 - c) By the chisel edge angle
 - d) By the point angle which is 90°
41. Presence of which material in a gray cast iron causes reduced ductility?
- a) Graphite
 - b) Aluminum
 - c) Coke
 - d) Zinc
42. Which is closest to the purest form of the iron?
- a) Cast Iron
 - b) Wrought Iron
 - c) Pig Iron
 - d) Steel
43. The relief angle given behind the cutting lips is called –
- a) Lip clearance angle
 - b) Helix angle
 - c) Rake angle
 - d) Chisel edge angle
44. What is contained inside the well of cupola?
- a) Molten iron
 - b) Solid iron
 - c) Molten steel
 - d) Solid steel
45. What is the range of efficiency of cupola?
- a) 20% to 40%
 - b) 30% to 50%
 - c) 40% to 60%
 - d) 50% to 70%

