

9. Flame suitable for preheating before cutting _____.
a) Neutral b) Oxidizing c) Carburizing d) Less oxidizing
10. Letter represents basic hole _____.
a) h b) g c) G d) H
11. Tap drill size for M12 x 1.25 tap _____.
a) 10.65 mm b) 10.63 mm c) 12 mm d) 13.25 mm
12. Material used for making Grinding Wheel _____.
a) Sand b) Granite
c) Calcium carbonate d) Silicon Carbide
13. A die is _____.
a) External thread cutting tool b) Internal thread cutting tool
c) Square thread cutting tool d) Acme thread cutting tool
14. Furnace used in the production of Pig Iron _____.
a) Blast Furnace b) Cupola Furnace
c) Open Hearth Furnace d) Electric arc Furnace
15. Grey cast iron is _____.
a) Tensile b) Ductile c) Tough d) Malleable
16. Floor Inspection is carried out at _____.
a) In separate room b) At certain interval
c) At actual job place d) After setting of machine
17. In British Standard System, No. of Grade fits are _____.
a) 16 b) 20 c) 21 d) 14

a) 18

b) 20

c) 16

d) 14

19. Diameter of Block size for cutting of M10 thread with pitch 1.5 mm _____.

a) 1.5 mm

b) 15 mm

c) 9.85 mm

d) 10 mm

20. Drill RPM for 10 mm hole, if cutting speed is 33 m/min _____.

a) 110

b) 1050

c) 1100

d) 1000

21. Adhesive bonding are used for _____.

a) Fastening

b) Sealing

c) Both (a) & (b)

d) None of these

22. Core Hardness of Dowel Pin is _____.

a) 40-44 HRC

b) 50-54 HRC

c) 60-64 HRC

d) 70-74 HRC

23. When Sulphur is added to steel its _____ increases?

a) Brittleness

b) Hardness

c) Softness

d) Surface Finish

24. Vernier height Gauge is specified by _____.

a) Height of Main Scale

b) Width of Beam

c) Length of scribe

d) Height of Base

25. Which type of extinguisher is used in welding shop?

a) Foam type extinguisher

b) Dry powder extinguisher

c) CO₂ extinguisher

d) Halon extinguisher

26. In 18-8 Stainless Steel 8 indicates the percentage of _____.

a) Chromium

b) Cobalt

c) Vanadium

d) Nickel

27. Melting point of Zinc is _____.
a) 232°C b) 420°C c) 327°C d) 216°C
28. Carbon Content in High Carbon Steel _____.
a) < 0.25% b) 0.25% to 0.7% c) 0.7% to 1.5% d) > 1.5%
29. Carbon content in grey cast iron _____.
a) 2% to 3% b) 3% to 4% c) 4% to 5% d) 3% to 5%
30. Surface hardness of Dowell Pin _____.
a) 40-44 HRC b) 50-54 HRC c) 60-64 HRC d) 70-74 HRC
31. The cause of glazing of grinding wheel is _____.
a) Grain size is too fine b) Wheel is hard
c) Wheel speed is too fast d) Both (a) & (b)
32. Preventive maintenance is _____.
a) The overall lubrication and repair work carried out by the maintenance section in advance of machine coming to breakdown
b) The maintenance work for any fault noticed during the work
c) Done to prevent the maintenance of machine
d) None of these
33. Triangular scrapers is used for scraping _____.
a) Large diameter holes b) Bearing surfaces
c) Small diameter holes d) Large flat surfaces
34. Counter boring is done to _____.
a) To make seat for cheese head screw b) To make seat for socket head screw
c) To enlarge the through hole d) None of these
35. Shellac Bond is represented by _____.
a) S b) B c) E d) V

36. A feller gauge is used for _____.
a) Adjusting the parts for play
c) Checking radius of jobs
b) Checking gap between mating parts
d) Checking accuracy of hole
37. A drill hole goes out of centre due to _____.
a) Improper champing of work piece
b) Work piece having blow holes
c) Centre punch mark not being large enough to give proper seat to the chisel edge of drill
d) Any one of the above
38. A short reamer with an axial hole used with an arbor or mandrel is called _____.
a) Parallel reamer
c) Expansion reamer
b) Adjustable reamer
d) Chucking reamer
39. Sideways of a machine are frequently lubricated by _____.
a) Oil can
b) Grease gun
c) Ring lubricator
d) Pump lubricator
40. Under Hole basis system is clearance fit
a) $25\text{ H}_7/\text{g}_{11}$
b) $25\text{ H}_7/\text{p}_6$
c) $25\text{ H}_7/\text{z}_{11}$
d) $25\text{ H}_7/\text{g}_{11}$
41. Specification of Grinding wheel is "51 A 46 L 5 V 23", Here 5 indicates _____.
a) Bond
b) Grain Size
c) Structure
d) Grade
42. In the above question Letter L indicates _____.
a) Bond
b) Grain Size
c) Structure
d) Grade
43. For general work Lip clearance angle is _____.
a) 10° to 15°
b) 12° to 15°
c) 10° to 12°
d) 12° to 18°
44. Drills are made up of _____.
a) High Carbon Steel
c) Either (a) or (b)
b) High speed Steel
d) Both (a) & (b)

45. Which one of the following is used to hold straight shank drill having dia meter less than 12 mm?
a) Sleeve ☒ b) Socket ☒ c) Drill chuck d) Drill drift
46. If the dimension of component is 25 ± 0.03 mm, its tolerance is _____.
a) 0.03 mm b) -0.03 mm c) 0.06 mm d) 0.00 mm
47. A cutting tool used to finish and enlarge a hole is known as _____.
a) Drill b) Tap c) Die ☒ d) Reamer
48. What is used to remove broken tap?
☒ a) Tap disposer b) Tap wrench c) Tap extractor d) Tap nut
49. Interchangeability is normally applied for: -
a) Repairing of parts ☒ b) Mass production
c) Single piece production d) All of these
50. Gauges are made up of _____.
☒ a) Alloy steel ☒ b) Cast Iron c) Cast Steel d) Mild Steel