

Heavy Duty Equipment Mechanic

- How to find the suitable size of starting motor cable?
 A By Current rating B By Voltage rating
 C By Resistance rating D By Capacitance rating
- Which logic gate having the circuit connected with switches in series?
 A OR gate B NOR gate
 C AND gate D NAND gate
- What are the combination of the gate is NAND gate?
 A OR and NOT gate B AND and OR gate
 C OR and NOR gate D AND and NOT gate
- Which nut have three projection to provide uniform contact on the surface?
 A Hexagonal nut B Cap nut
 C Hexagonal weld nut D Hexagonal nut with collar
- Which coolant used for sawing cast iron?
 A Water B Air
 C Kerosene D Soluble oil
- Which angle determine the rake angle at the edge of the twist drill?
 A Point angle B Clearance angle
 C Helix angle D Chisel edge angle
- What is the cutting angle of a standard drill?
 A 108 Degree B 118 Degree
 C 180 Degree D 188 Degree

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8. What is the name of the speed at which the drill cutting edge passes over the materials while drilling?
- A Cutting time B Cutting area
 C Cutting feed D Cutting speed
9. Which locking device is used in the slotted nut?
- A Circlip B Plain washer
 C Split pin D Bolt and chuck nut
10. Which device is used in hydraulic brake system?
- A Air tank B Master cylinder
 C Pressure gauge D Un loader cylinder
11. Which type of pump used in the hydraulic jack?
- A Gear pump B Plunger pump
 C Vane pump D Internal gear pump
12. Which act as a seal in the external gear pump?
- A Housing B Drive gear
 C Driver gear D Gear meshing
13. Technician A says that he seats radial tire beads by igniting a charge of ether inside the tire. Technician B says that he seats radial tire beads using a metal ring inflation aid. Who is correct?
- A Technician B only B neither
 C both D Technician A only
14. When a diode is in reverse bias, what is happening to current flow through it?
- A Only the positive sine wave passes through it. B Current is converted to AC.
 C Current is blocked. D Current passes through it.

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1008. What is the disadvantage of liquid penetration testing?

- A Can be applied only on nonferrous materials
- B Large surface area measured with low cost
- C Low initial investment cost
- D Complex shapes can be inspected

1009. Which type of spring will have good load carrying capacity and do not have noise in the suspension system?

- A Mono leaf springs
- B Multiple - leaf spring
- C Coil spring
- D Fiber composite springs

1010. Which component increase the pressure in the hydraulic system?

- A Cylinder
- B Reservoir
- C Control valve
- D Oil pump

1011. Which type of clutch system used in the slave cylinder?

- A Vacuum clutch
- B Hydraulic clutch
- C Over running clutch
- D Electro magnetic clutch

1012. Which type of components can be tested by magnetic particle test?

- A Non-ferrous components
- B Ferrous components
- C Aluminum components
- D Plastic components

1013. Which valve is be opened to bring down the load in the hydraulic jack?

- A Relief valve
- B Shut off valve
- C Non - return valve-1
- D Non - return valve-2

1014. Which fastening device used to transmit the torque from the rotating shaft to wheel?

- A Key
- B Circlip
- C Washer
- D Wire lock

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1015. Which angle of drill prevent the friction of tool behind cutting edge?
- A Point angle B Rake angle
 C Clearance angle D Helix angle
1016. Which type of drilling machine used to drill heavy and large work pieces?
- A Pillar drilling machine B Radial drilling machine
 C Column drilling machine D Sensitive bench drilling machine
1017. Which is the case hardening process?
- A Tempering B Annealing
 C Normalizing D Nitriding
1018. Which one is the heat treatment process?
- A Riveting B Soldering
 C Normalizing D Welding
1019. Which is the quenching media of alloy steel in hardening process?
- A Oil B Compressed air
 C Still air D Water
1020. What is the advantage of AC arc welding machine?
- A More initial cost B Freedom from arc blow
 C Less maintenance cost D Un suitable for non ferrous metal
1021. Which gas cutting process is suitable for all position, location and under water?
- A Gas cutting B Plasma cutting
 C Manual cutting D Machine cutting
1022. Which marking media used to mark in the finished surfaces?
- A White wash B Prussian blue
 C Copper Sulphate D Cellulose lacquer