

Heavy Duty Equipment Technician

Goodluck!

- How to find the suitable size of starting motor cable?

<input type="radio"/> (A) By Current rating	<input type="radio"/> (B) By Voltage rating
<input type="radio"/> (C) By Resistance rating	<input type="radio"/> (D) By Capacitance rating
- Which logic gate having the circuit connected with switches in series?

<input type="radio"/> (A) OR gate	<input type="radio"/> (B) NOR gate
<input type="radio"/> (C) AND gate	<input type="radio"/> (D) NAND gate
- What are the combination of the gate is NAND gate?

<input type="radio"/> (A) OR and NOT gate	<input type="radio"/> (B) AND and OR gate
<input type="radio"/> (C) OR and NOR gate	<input type="radio"/> (D) AND and NOT gate
- Which nut have three projection to provide uniform contact on the surface?

<input type="radio"/> (A) Hexagonal nut	<input type="radio"/> (B) Cap nut
<input type="radio"/> (C) Hexagonal weld nut	<input type="radio"/> (D) Hexagonal nut with collar
- Which coolant used for sawing cast iron?

<input type="radio"/> (A) Water	<input type="radio"/> (B) Air
<input type="radio"/> (C) Kerosene	<input type="radio"/> (D) Soluble oil
- Which angle determine the rake angle at the edge of the twist drill?

<input type="radio"/> (A) Point angle	<input type="radio"/> (B) Clearance angle
<input type="radio"/> (C) Helix angle	<input type="radio"/> (D) Chisel edge angle
- What is the cutting angle of a standard drill?

<input type="radio"/> (A) 108 Degree	<input type="radio"/> (B) 118 Degree
<input type="radio"/> (C) 180 Degree	<input type="radio"/> (D) 188 Degree

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.

1028. 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
1029. Which fastening device used to transmit the torque from the rotating shaft to wheel?
- (A) Key (B) Circlip
(C) Washer (D) Wire lock
1030. Which angle of drill prevent the friction of tool behind cutting edge?
- (A) Point angle (B) Rake angle
(C) Clearance angle (D) Helix angle
1031. 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
1032. Which is the case hardening process?
- (A) Tempering (B) Annealing
(C) Normalising (D) Nitriding
1033. Which one is the heat treatment process?
- (A) Riveting (B) Soldering
(C) Normalising (D) Welding
1034. Which is the quenching media of alloy steel in hardening process?
- (A) Oil (B) Compressed air
(C) Still air (D) Water
1035. 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

1036. 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

1037. Which marking media used to mark in the finished surfaces?

(A) White wash

(B) Prussian blue

(C) Copper Sulphate

(D) Cellulose lacquer