

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL1874IC

1. Which can be measured by feeler gauge?

- A) Radius
- B) Gap between mating parts
- C) Surface roughness
- D) Screw pitch

**Answer: B) Gap between mating parts**

2. Which bearing used in gear boxes?

- A) Taper roller bearing
- B) Roller bearing
- C) Ball bearing
- D) Needle bearing

**Answer: C) Ball bearing**

3. How much maximum pressure, develops by high pressuer diesel pump in CRDI engine

- A) 2000 Kg/cm<sup>2</sup>
- B) 500 Kg/cm<sup>2</sup>
- C) 1600 Kg/cm<sup>2</sup>
- D) 800 Kg/cm<sup>2</sup>

**Answer: A) 2000 Kg/cm<sup>2</sup>**

4. What is the reason for the emission of particulate matter?

- A) Due to atmospheric mixture
- B) Due to complete combustion
- C) Due to incomplete combustion
- D) Due to excess air supplied

**Answer: C) Due to incomplete combustion**

5. Which is the commonly used cooling medium in the marine engine?

- A) Coolant
- B) Cooling water
- C) Sea water
- D) Fan

**Answer: C) Sea water**

6. Which marking device used to scribe circle?

- A) Out side caliper
- B) Inside caliper
- C) Jenny caliper
- D) Spring divider

**Answer: D) Spring divider**

7. Which type of chisel used for squaring material at the corners?

- A) Flat chisel
- B) Cross cut chisel
- C) Diamond point chisel
- D) Half round chisel

**Answer: C) Diamond point chisel**

8. What type of emf is produced if the conductor moved and cut the magnetic field?

- A) Statistically induced emf
- B) Electro-chemical induced emf
- C) Electro-magnetic induced emf
- D) Dynamically induced emf

**Answer: D) Dynamically induced emf**

9. Which machine can be used any where in the field for welding away from electric main supply?

- A) Engine generator set
- B) Motor generator set
- C) AC arc welding machine
- D) AC welding transformer with a rectifier

**Answer: A) Engine generator set**

10. Which type of NDT method used ferrous particles are applied to the area between the poles?

- A) Ultra sonic testing
- B) Radiographic testing
- C) Electro magnetic yoke testing
- D) Liquid penetrate testing

**Answer: C) Electro magnetic yoke testing**

11. Which part of drill bit fits in to the slot of drilling machine spindle?

- A) Tang
- B) Flute
- C) Body
- D) Web

**Answer: A) Tang**

12. Which type of pump used in the hydraulic jack?

- A) Gear pump
- B) Vane pump
- C) Plunger pump
- D) Internal gear pump

**Answer: C) Plunger pump**

13. What is the use of catalytic converters?

- A) Control the temperature
- B) Control the emission
- C) Control the noise
- D) Control the fuel consumption

**Answer: B) Control the emission**

14. Which part is connected and complete the Horn circuit of the push button pressed?

- A) Ground plate
- B) Core
- C) Horn points
- D) Tone disc

**Answer: A) Ground plate**

15. How the battery capacity is expressed?

- A) Ampere rating                      B) Voltage - hour rating  
C) Voltage rating                    D) Ampere - hour rating

**Answer: D) Ampere - hour rating**

**16.** Where the compression ring is fitted in the piston?

- A) Bottom of the piston skirt    B) Above the oil ring in piston  
C) Connecting rod between piston pin and bottom of skirt    D) Piston between oil ring and piston pin

**Answer: B) Above the oil ring in piston**

**17.** Which condition the tyre pressure not to be checked?

- A) Tyre is hot after long run    B) Tyre is cold  
C) Tyre is carrying load            D) Before start of journey

**Answer: A) Tyre is hot after long run**

**18.** Which device used to increase the torque?

- A) Clutch                                      B) Engine  
C) Flywheel                                  D) Gear reduction drive

**Answer: D) Gear reduction drive**

**19.** What is the main purpose of the lubricant?

- A) Increase the weariness            B) Increase the friction  
C) Minimise the friction                D) Increase the noise

**Answer: C) Minimise the friction**

**20.** What is the speed ratio cam shaft to crank shaft?

- A) Triple                                      B) Half  
C) Double                                    D) Equal

**Answer: B) Half**