

Duration: 30 Mins

Total Marks: 20

Q.ID: ITISKILL52246P

1. Which type of nut required to align the axle shaft hole and slot of the nut for locking?

- A) Self lock nut B) Castle nut
C) Chuck nut D) Thumb nut

Answer: B) Castle nut

2. Which is the device used to transmit the rotary motion in marine engine?

- A) Hydraulic brake B) Hydraulic jack
C) Hydraulic actuator D) Hydraulic coupling

Answer: D) Hydraulic coupling

3. What is the mechanical causes engine does not start?

- A) Defective alternator B) Defective thermostat valve
C) Clogged fuel filter D) Starter motor mounting bolt loose

Answer: C) Clogged fuel filter

4. Which engine is used sea water cooling, water cooled?

- A) Heavy vehicle engine B) Aircraft engine
C) Light motor vehicle engine D) Marine engine

Answer: D) Marine engine

5. Which is less harmful emission elements after convert by catalytic converter

- A) $\text{CO}_2 + \text{H}_2\text{O}$ B) $\text{NO}_x + \text{CO}_2 + \text{Pm}$
C) $\text{H}_2\text{O} + \text{CO}_2 + \text{Nitrogen}$ D) $\text{Pb} + \text{CO}_2 + \text{Nox}$

Answer: C) $\text{H}_2\text{O} + \text{CO}_2 + \text{Nitrogen}$

6. Where is the oil cooler fitted in the engine?

- A) Cylinder head B) Exhaust manifold
C) Engine block D) Oil sump

Answer: C) Engine block

7. Which is transferring energy for the piston to crankshaft?

- A) Gudgeon pin B) King pin
C) Cam shaft D) Connecting rod

Answer: D) Connecting rod

8. Which part actuates the movement of the dial for reading measurement of dial bore gauge?

- A) Centring shoe B) Fixed anvil

- C) Plunger D) Stem

Answer: C) Plunger

9. What is the reason for engine over heating?

- A) Oil pressure high B) Improper injection timing
C) External fuel leak D) Defective starting motor

Answer: B) Improper injection timing

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

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

Answer: B) Engine generator set

11. What is the reason for engine over heating?

- A) Defective thermostat valve B) Fuel leakage
C) External leakage of oil D) Clogged fuel filter

Answer: A) Defective thermostat valve

12. Which type of fit will have maximum size hole and minimum size shaft?

- A) Transition fit B) Clearance fit
C) Interference fit D) Shrinkage fit

Answer: B) Clearance fit

13. What is the possible cause of low power generation?

- A) Defective oil filter B) More supply of air
C) Incomplete combustion of fuel D) More supply of fuel

Answer: C) Incomplete combustion of fuel

14. Which type of hardening used eddy current in the metal bar?

- A) Annealing hardening B) Nitriding hardening
C) Induction hardening D) Flame hardening

Answer: C) Induction hardening

15. What is the name the portion below the piston boss?

- A) Land of the piston B) Skirt of the piston
C) Ring section of the piston D) Crown of the piston

Answer: B) Skirt of the piston

16. What is the possible cause for no charge when engine is running?

- A) Battery with half-charge B) Defective starting motor
C) Defective diode D) Slip ring proper seating

Answer: C) Defective diode

17. What is the name of the governor in which the control rack connected with counter weight floating lever?

- A) Pneumatic governor B) Servo governor
C) Mechanical governor D) Hydraulic governor

Answer: C) Mechanical governor

18. Which vice is used to hold a very small diameter job?

- A) Pipe vice B) Tool maker's vice
C) Hand vice D) Pin vice

Answer: D) Pin vice

19. Which device converts mechanical into pneumatic energy?

- A) Actuator B) Compressor
C) Alternation D) Generator

Answer: B) Compressor

20. Where the bush bearing preferred?

- A) Fly wheel and water pumps B) Connecting rods
C) Gear boxes D) Differential and wheel hub

Answer: B) Connecting rods