

ITI Quiz - 30-Apr-2026

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Q. ID: ITISKILL25900D

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 31

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Student Name: _____ Roll No: _____

1. When the thermostat valve open in engine?

- A) Operating temperature of engine
B) Low temperature of engine
C) High temperature of engine
D) Freezing temperature of engine

- C) Through vibration damper
D) Through drilled oil passages

2. How many valves are used in radiator cap?

- A) Two valves
B) One valve
C) Four valves
D) Three valves

3. What is the purpose of the radiator in the cooling system?

- A) Cool the hot water
B) Cool the water pump
C) Cool the hot oil
D) Cool the hot air

4. Which type of pump is used in water cooling system?

- A) Diaphragm pump
B) Reciprocating pump
C) Centrifugal pump
D) Gear pump

5. What is the purpose of water pump in cooling system?

- A) Reduce the water pressure
B) Force the water circulation
C) Flushing out the cooling system
D) Increase the water temperature

6. Which part helps to increase the water boiling point in water cooling system?

- A) Radiator fins
B) Radiator hose
C) Radiator cap
D) Radiator core tubes

7. Where heat dissipation take place in cooling system?

- A) Water jackets
B) Radiator
C) Water pump
D) Fan

8. Which system the gear type oil pump is used?

- A) Lubrication system
B) Fuel system
C) Air conditioning system
D) Cooling system

9. How oil deliver from the crank shaft main bearings to connecting rod bearings?

- A) Through sprocket
B) Through crank pulley

10. Which one is the properties of lubricant

- A) Oil viscosity should not be same in hot and cold condition
B) Boiling temperature should be low
C) Oil viscosity should be suit the operating conditions
D) Should develop foam

11. When it is required to change the water pump bearing?

- A) Bearing noisy
B) Low water pressure
C) Water leakage
D) Fan belt loose

12. Where the metal fins are provided in the air cooled engine?

- A) Cylinder and head
B) Intake manifold
C) Valve door
D) Exhaust pipe

13. Which part is lubricated by splash lubrication system?

- A) Crank pin
B) Cylinder wall
C) Timing gears
D) Main journal

14. Which types of cooling system the rate of cooling is very low?

- A) Thermo siphon system
B) Forced feed system
C) Pump circulation system
D) Air cooling system

15. Which part drives the oil pump?

- A) Timing gears
B) Crank Shaft
C) Cam Shaft
D) Crank pulley

16. What is the main purpose of the lubricant?

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

17. Which lubrication system is used separate oil tank?

- A) Petrol - oil lubrication
B) Dry sump lubrication
C) Splash lubrication
D) Wet sump lubrication

18. What is the effect if the radiator cores are clogged?

- A) Increase coolant flow
- B) Stop coolant flow
- C) Slow coolant flow
- D) Free coolant flow

19. Which part is used to pump the water in water pump?

- A) Pulley
- B) Shaft
- C) Impeller
- D) Bearing

20. Which part allows to flow water from upper tank to lower tank of the radiator?

- A) Bottom hole
- B) Fins
- C) Core tubes
- D) Water pump

21. How the water pump get drive in pump circulation cooling system?

- A) By coupling
- B) By gear
- C) By belt
- D) By chain

22. What is the cause of water leakage in water pump?

- A) Worn out shaft
- B) Worn out impeller
- C) Worn out bearing
- D) Worn out seal

23. What is the purpose of metal fins in air cooling system?

- A) Increase the heat
- B) Supply the heat
- C) Maintain the heat
- D) Reduce the heat

24. Which mixture is used in radiator reverse flushing cleaning?

- A) Flushing water with soap oil
- B) Flushing water with air (gun) pressure
- C) Flushing water with coolant oil
- D) Flushing water with engine oil

25. Which type of lubrication system is used in two stroke engine?

- A) Dry sump lubrication
- B) Petrol-oil lubrication
- C) Splash lubrication
- D) Wet sump lubrication

26. What is the reason pump does not suck the oil?

- A) Filter clogged
- B) Less radial clearance
- C) Relief valve struck
- D) More backlash

27. What is the purpose of the dip stick used in the engine?

- A) To check oil level
- B) To check oil density
- C) To check oil temperature
- D) To check oil pressure

28. What is the effect if thermostat valve is struck?

- A) Engine gets over cooling
- B) Engine gets over heating
- C) Engine does not start
- D) Engine does not stop

29. What is the purpose of a radiator pressure cap?

- A) Retain the vacuum pressure
- B) Maintain the water temperature
- C) Retain the atmospheric pressure
- D) Release the excess pressure

30. Which engine is used the Petrol oil lubrication system?

- A) Battery car
- B) Steam engine
- C) Four stroke engine
- D) Two stroke engine

31. Which oil is used in cooling system?

- A) Mineral oil
- B) Lubricant oil
- C) Hydraulic oil
- D) Coolant oil