

ITI Quiz - 04-Apr-2026

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Q. ID: ITISKILL4031TS

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 31

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Student Name: _____ Roll No: _____

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

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

A) Stop coolant flow

B) Increase coolant flow

C) Free coolant flow

D) Slow coolant flow

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

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

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

A) Exhaust pipe

B) Valve door

C) Cylinder and head

D) Intake manifold

3. Which part is lubricated by splash lubrication system?

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

12. How many valves are used in radiator cap?

A) One valve

B) Three valves

C) Two valves

D) Four valves

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

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

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

A) Two stroke engine

B) Four stroke engine

C) Steam engine

D) Battery car

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

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

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

A) Worn out bearing

B) Worn out seal

C) Worn out shaft

D) Worn out impeller

6. Where heat dissipation take place in cooling system?

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

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

A) Impeller

B) Pulley

C) Shaft

D) Bearing

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

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

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

A) Reduce the heat

B) Supply the heat

C) Increase the heat

D) Maintain the heat

8. Which oil is used in cooling system?

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

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

A) Flushing water with engine oil

B) Flushing water with soap oil

C) Flushing water with air (gun) pressure

D) Flushing water with coolant oil

9. What is the main purpose of the lubricant?

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

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

A) By chain

B) By coupling

C) By belt

D) By gear

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

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

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

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

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

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

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

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

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

23. Which lubrication system is used separate oil tank?

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

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

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

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

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

26. When the thermostat valve open in engine?

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

27. 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

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

- A) Through drilled oil passages
- B) Through sprocket
- C) Through crank pulley
- D) Through vibration damper

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

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

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

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

31. Which part drives the oil pump?

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