

# ITI Quiz - 18-Mar-2026

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Q. ID: ITISKILL2510VT

March 2026

Answer Key

Duration: 30 Mins

Total Marks: 31

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

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

**Answer: D) By belt**

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

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

**Answer: D) Impeller**

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

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

**Answer: A) Lubrication system**

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

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

**Answer: A) Release the excess pressure**

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

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

**Answer: A) Radiator cap**

6. 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

**Answer: B) Stop coolant flow**

7. 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

**Answer: A) Through drilled oil passages**

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

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

**Answer: B) Two stroke engine**

9. 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 water
- D) Cool the hot oil

**Answer: C) Cool the hot water**

10. Which lubrication system is used separate oil tank?

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

**Answer: A) Dry sump lubrication**

11. When the thermostat valve open in engine?

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

**Answer: A) Operating temperature of engine**

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

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

**Answer: B) Reduce the heat**

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

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

**Answer: C) Core tubes**

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

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

**Answer: C) Worn out seal**

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

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

**Answer: C) Force the water circulation**

16. Which part is lubricated by splash lubrication system?

- A) Main journal
- B) Crank pin

C) Cylinder wall                      D) Timing gears

**Answer: C) Cylinder wall**

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

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

**Answer: C) Centrifugal pump**

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

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

**Answer: D) To check oil level**

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

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

**Answer: D) More backlash**

20. What is the main purpose of the lubricant?

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

**Answer: D) Minimise the friction**

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

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

**Answer: D) Bearing noisy**

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

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

**Answer: C) Engine gets over heating**

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

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

**Answer: C) Petrol-oil lubrication**

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 engine oil

D) Flushing water with coolant oil

**Answer: B) Flushing water with air (gun) pressure**

25. Which oil is used in cooling system?

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

**Answer: C) Coolant oil**

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

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

**Answer: B) Thermo siphon system**

27. Which one is the properties of lubricant

A) Oil viscosity should not be same in hot and cold              B) Should develop foam condition

C) Oil viscosity should be suit the operating conditions              D) Boiling temperature should be low

**Answer: C) Oil viscosity should be suit the operating conditions**

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

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

**Answer: B) Cylinder and head**

29. Which part drives the oil pump?

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

**Answer: A) Cam Shaft**

30. Where heat dissipation take place in cooling system?

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

**Answer: B) Radiator**

31. How many valves are used in radiator cap?

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

**Answer: A) Two valves**