

February 2026

Question Paper

Duration: 30 Mins

Total Marks: 31

ID: ITISKILL4444LB

Student Name: _____	Roll No: _____
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1. What is the purpose of a radiator pressure cap?

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

2. What is the main purpose of the lubricant?

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

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

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

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

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

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

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

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

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

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

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

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

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

9. Which part drives the oil pump?

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

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

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

11. How many valves are used in radiator cap?

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

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

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

13. Which lubrication system is used separate oil tank?

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

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

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

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

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

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

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

17. 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 |

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

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

19. 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 level
- D) To check oil temperature

20. When the thermostat valve open in engine?

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

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

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

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

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

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

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

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

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

25. 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

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

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

27. Which one is the properties of lubricant

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

28. Which oil is used in cooling system?

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

29. 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

30. Which part is lubricated by splash lubrication system?

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

31. Where heat dissipation take place in cooling system?

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