

COOLING AND LUBRICATION SYSTEM

Q. ID: ITISKILL9711SQ

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Question Paper

Duration: 60 Mins

Total Marks: 31

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Student Name: _____ Roll No: _____

1. Which oil is used in cooling system?

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

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

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

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

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

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

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

5. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

13. When the thermostat valve open in engine?

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

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

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

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

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

16. Which part drives the oil pump?

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

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

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

18. Which one is the properties of lubricant

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

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

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

20. Which lubrication system is used separate oil tank?

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

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

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

22. Where heat dissipation take place in cooling system?

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

23. How many valves are used in radiator cap?

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

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

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

25. Which part is lubricated by splash lubrication system?

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

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

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

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

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

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

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

29. What is the main purpose of the lubricant?

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

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

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

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

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