

COOLING AND LUBRICATION SYSTEM

Q. ID: ITISKILL9711SQ

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Answer Key

Duration: 60 Mins

Total Marks: 31

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1. 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

Answer: C) Core tubes

2. Which lubrication system is used separate oil tank?

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

Answer: D) Dry sump lubrication

3. Which oil is used in cooling system?

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

Answer: D) Coolant oil

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

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

Answer: D) Through drilled oil passages

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

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

Answer: D) More backlash

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

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

Answer: B) Cylinder and head

7. 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

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

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

Answer: C) Worn out seal

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

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

Answer: B) Lubrication system

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

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

Answer: B) Petrol-oil lubrication

11. Which one is the properties of lubricant

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

Answer: A) Oil viscosity should be suit the operating conditions

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

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

Answer: C) Radiator cap

13. What is the main purpose of the lubricant?

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

Answer: C) Minimise the friction

14. Where heat dissipation take place in cooling system?

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

Answer: D) Radiator

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

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

Answer: B) Impeller

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

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

Answer: B) Reduce the heat

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

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

Answer: D) Cool the hot water

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

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

Answer: D) Force the water circulation

19. Which part drives the oil pump?

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

Answer: C) Cam Shaft

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

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

Answer: A) Stop coolant flow

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

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

Answer: A) Flushing water with air (gun) pressure

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

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

Answer: A) Two stroke engine

23. How many valves are used in radiator cap?

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

Answer: C) Two valves

24. How the water pump get drive in pump circulation

cooling system?

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

Answer: B) By belt

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

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

Answer: D) Release the excess pressure

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

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

Answer: C) Bearing noisy

27. 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

Answer: C) Operating temperature of engine

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

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

Answer: C) To check oil level

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

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

Answer: C) Engine gets over heating

30. Which part is lubricated by splash lubrication system?

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

Answer: A) Cylinder wall

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

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

Answer: B) Thermo siphon system