

**Duration: 50 Mins**

**Total Marks: 31**

**Q.ID: ITISKILL7297E9**

1. 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**

C) Fuel system

D) Cooling system

**Answer: B) Lubrication system**

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

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

**Answer: A) By belt**

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

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

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

3. When the thermostat valve open in engine?

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

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

10. How many valves are used in radiator cap?

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

**Answer: D) Two valves**

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

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

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

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

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

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

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

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

**Answer: B) Centrifugal pump**

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

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

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

6. Where heat dissipation take place in cooling system?

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

**Answer: A) Radiator**

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

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

**Answer: C) Radiator cap**

7. What is the main purpose of the lubricant?

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

**Answer: D) Minimise the friction**

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

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

**Answer: A) Reduce the heat**

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

- A) Air conditioning system  
 B) Lubrication system

15. Which part drives the oil pump?

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

**Answer: B) Cam Shaft**

16. Which oil is used in cooling system?

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

**Answer: C) Coolant oil**

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

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

**Answer: A) Two stroke engine**

18. Which part is lubricated by splash lubrication system?

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

**Answer: C) Cylinder wall**

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

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

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

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

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

**Answer: C) Cylinder and head**

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

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

**Answer: D) Stop coolant flow**

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

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

**Answer: B) Impeller**

23. 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**

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

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

**Answer: B) Thermo siphon system**

25. Which lubrication system is used separate oil tank?

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

**Answer: A) Dry sump lubrication**

26. 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**

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

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

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

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

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

**Answer: B) Bearing noisy**

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

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

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

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

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

**Answer: D) More backlash**

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

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

**Answer: D) Core tubes**