

**Duration: 30 Mins****Total Marks: 38****Q.ID: ITISKILL0690Q8**

1. 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**

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

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

**Answer: D) Centrifugal pump**

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

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

**Answer: B) Thermo siphon system**

4. How many valves are used in radiator cap?

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

**Answer: A) Two valves**

5. What is the material used to produce crank shaft?

- A) High speed steel         B) Wrought iron  
C) Cast iron                    D) Chromium vanadium nickel steel

**Answer: D) Chromium vanadium nickel steel**

6. 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**

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

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

**Answer: D) Reduce the heat**

8. When the thermostat valve open in engine?

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

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

9. Where heat dissipation take place in cooling system?

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

**Answer: C) Radiator**

10. What type of bearing fitted in the connecting rod big end?

- A) Shell bearing                 B) Ball bearing  
C) Needle bearing                D) Taper roller bearing

**Answer: A) Shell bearing**

11. Which part is connect the piston with crank pin?

- A) Connecting rod                B) Push rod  
C) Crank Shaft                    D) Cam Shaft

**Answer: A) Connecting rod**

12. 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

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

13. 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

**Answer: A) Stop coolant flow**

14. What is the material of piston pins?

- A) Nickel chromium steel        B) Cast iron  
C) HSS                              D) Bronze

**Answer: A) Nickel chromium steel**

15. What is the name the portion below the piston boss?

- A) Ring section of the piston    B) Land of the piston  
C) Crown of the piston            D) Skirt of the piston

**Answer: D) Skirt of the piston**

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

- A) Force the water circulation      B) Increase the water temperature

C) Reduce the water pressure      D) Flushing out the cooling system

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

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

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

**Answer: D) Worn out seal**

18. Which oil is used in cooling system?

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

**Answer: B) Coolant oil**

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

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

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

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

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

**Answer: B) Radiator cap**

21. Which tool used to remove the crank shaft pulley?

A) Pipe wrench      B) Puller  
C) Double end spanner      D) Ring spanner

**Answer: B) Puller**

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

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

**Answer: C) Lubrication system**

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

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

**Answer: A) Two stroke engine**

24. What is the main purpose of the lubricant?

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

**Answer: A) Minimise the friction**

25. Which one is the properties of lubricant

A) Boiling temperature should be low      B) Oil viscosity should be suit the operating conditions

C) Should develop foam      D) Oil viscosity should not be same in hot and cold condition

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

26. 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**

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

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

**Answer: D) Cylinder and head**

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

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

**Answer: B) Impeller**

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

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

**Answer: B) Bearing noisy**

30. Which lubrication system is used separate oil tank?

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

**Answer: C) Dry sump lubrication**

31. 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**

32. Which part drives the oil pump?

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

**Answer: B) Cam Shaft**

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

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

**Answer: A) Core tubes**

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

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

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

**35.** Which part is lubricated by splash lubrication system?

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

**Answer: C) Cylinder wall**

**36.** What is the effect if thermostat valve is struck?

- A) Engine gets over cooling      B) Engine does not stop

- C) Engine does not start      D) Engine gets over heating

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

**37.** Which part connect the piston with connecting rod?

- A) Cotter pin      B) Crank pin  
C) Piston pin      D) Spilt pin

**Answer: C) Piston pin**

**38.** What is the reason pump does not suck the oil?

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

**Answer: B) More backlash**