

# ITI Quiz - 29-Apr-2026

## 07:33 PM

Q. ID: ITISKILL611101

April 2026

Question Paper

Duration: 52 Mins

Total Marks: 52

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Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. 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
2. Which one is the properties of lubricant  
A) Boiling temperature should be low                      B) Oil viscosity should not be same in hot and cold condition  
C) Should develop foam                      D) Oil viscosity should be suit the operating conditions
3. Which process is taken place in catalytic convertor?  
A) Thermal                                      B) Chemical  
C) Biological                                    D) Physical
4. What is the purpose of the turbo charger?  
A) Filter the exhaust gas                      B) Pump more air into the cylinder  
C) Scavenging                                      D) Save power
5. Which part drives the oil pump?  
A) Timing gears                                B) Crank Shaft  
C) Crank pulley                                D) Cam Shaft
6. When it is required to change the water pump bearing?  
A) Fan belt loose                                B) Water leakage  
C) Low water pressure                        D) Bearing noisy
7. Which part is lubricated by splash lubrication system?  
A) Main journal                                B) Cylinder wall  
C) Timing gears                                D) Crank pin
8. 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
9. What is the reason pump does not suck the oil?  
A) Less radial clearance                      B) More backlash  
C) Filter clogged                                D) Relief valve struck
10. Which type of pump is used in water cooling system?  
A) Diaphragm pump                            B) Gear pump  
C) Centrifugal pump                            D) Reciprocating pump
11. Which type of muffler is fitted with sensors and microphone ?  
A) Reverse flow type                            B) Electronic type  
C) Resonance type                            D) Straight through type
12. What is the purpose of water pump in cooling system?  
A) Flushing out the cooling system                      B) Increase the water temperature  
C) Reduce the water pressure                      D) Force the water circulation
13. What is the reason to decrease the volumetric efficiency in exhaust system?  
A) Low temperature                            B) Low noise  
C) Excessive back pressure                      D) High temperature
14. What is the purpose of the muffler in the exhaust system?  
A) To reduce the noise                            B) To reduce the heat  
C) To reduce the vibration                      D) To filter the exhaust gases
15. Which type of filter element is fitted in dry type air cleaner?  
A) Strainer                                        B) Cloth  
C) Paper    D) Wire mesh
16. What is the effect if thermostat valve is struck?  
A) Engine gets over cooling                      B) Engine does not stop  
C) Engine gets over heating                      D) Engine does not start
17. Which types of cooling system the rate of cooling is very low?  
A) Air cooling system                            B) Thermo siphon system  
C) Forced feed system                            D) Pump circulation system
18. What is the purpose of a radiator pressure cap?

- A) Release the excess pressure
- C) Retain the atmospheric pressure

- B) Retain the vacuum pressure
- D) Maintain the water temperature

- C) Lubricant oil

- D) Mineral oil

19. Which part connects the petrol engine inlet manifold?

- A) Carburetor
- C) Fuel pump

- B) Injector
- D) Air filter

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

- A) Worn out seal
- C) Worn out impeller

- B) Worn out shaft
- D) Worn out bearing

21. Where the exhaust system muffler is connected?

- A) Between tail pipe and exhaust manifold
- C) Between exhaust pipe and exhaust manifold

- B) Between engine head and exhaust manifold
- D) Between exhaust pipe and tail pipe

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

- A) Lubrication system
- C) Cooling system

- B) Air conditioning system
- D) Fuel system

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

- A) Dry sump lubrication
- C) Petrol-oil lubrication

- B) Splash lubrication
- D) Wet sump lubrication

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

- A) Flushing water with coolant oil
- C) Flushing water with air (gun) pressure

- B) Flushing water with engine oil
- D) Flushing water with soap oil

25. How many valves are used in radiator cap?

- A) Four valves
- C) Two valves

- B) One valve
- D) Three valves

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

- A) Steam engine
- C) Two stroke engine

- B) Battery car
- D) Four stroke engine

27. Which type of muffler produces anti noise without restricting exhaust flow?

- A) Reverse flow type
- C) Baffle type

- B) Electronic type
- D) Straight through type

28. Which oil is used in cooling system?

- A) Coolant oil

- B) Hydraulic oil

29. When the thermostat valve open in engine?

- A) Operating temperature of engine
- C) Freezing temperature of engine

- B) High temperature of engine
- D) Low temperature of engine

30. Where the catalytic converter is fitted?

- A) Between muffler and tail pipe
- C) Between tail pipe and resonator pipe

- B) Between exhaust pipe and muffler
- D) Between engine head and exhaust manifold

31. Which metal in the fuel is to be avoided while fitting catalytic converter?

- A) Chromium
- C) Lead

- B) Tin
- D) Phosphorus

32. Which component is related to exhaust system?

- A) Muffler
- C) Carburetor

- B) Injection pump
- D) Air filter

33. How does a turbocharger get drive?

- A) By inlet gas
- C) By exhaust gas

- B) By gear
- D) By belt

34. Which are the materials commonly used in the catalytic converter?

- A) Chromium and vanadium
- C) Palladium and platinum

- B) Zinc and molybdenum
- D) Asbestos and ceramics

35. Which lubrication system is used separate oil tank?

- A) Wet sump lubrication
- C) Splash lubrication

- B) Petrol - oil lubrication
- D) Dry sump lubrication

36. What is the material of exhaust manifold?

- A) Bronze
- C) Steel alloy

- B) Brass
- D) Cast iron

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

- A) Bearing
- C) Pulley

- B) Shaft
- D) Impeller

38. Where heat dissipation take place in cooling system?

- A) Radiator
- C) Fan

- B) Water pump
- D) Water jackets

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

- A) By gear
- C) By coupling

- B) By belt
- D) By chain

- A) Increase the friction
- C) Increase the noise

- B) Minimise the friction
- D) Increase the wearness

40. What is the purpose of catalytic converter?

- A) Control the fuel consumption
- C) Control the emission
- B) Control the temperature
- D) Control the noise

41. Where is the turbocharger mounted?

- A) Exhaust manifold
- C) Inlet manifold
- B) Air filter
- D) Cylinder head

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

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

43. Which is related to pneumatic system?

- A) Electric
- C) Pressurized water
- B) Compressed air
- D) Steam

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

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

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

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

46. What is the main purpose of the lubricant?

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

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

48. What is the material of inlet manifold?

- A) Aluminium alloy
- C) Bronze
- B) Stainless steel
- D) Brass

49. Where the catalytic converters are used?

- A) Exhaust system
- C) Fuel system
- B) Lubrication system
- D) Inlet system

50. Which one of the following acts as a flame arrester during engine back fire?

- A) Fuel filter
- C) Air filter
- B) Oil filter
- D) Muffler

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

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

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

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