

ITI Quiz - 30-Apr-2026

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Q. ID: ITISKILL893770

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 52

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Student Name: _____ Roll No: _____

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

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

2. Which oil is used in cooling system?

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

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

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

4. What is the main purpose of the lubricant?

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

5. What is the purpose of the turbo charger?

- A) Scavenging
- B) Save power
- C) Filter the exhaust gas
- D) Pump more air into the cylinder

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

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

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

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

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

- A) Straight through type
- B) Electronic type
- C) Baffle type
- D) Reverse flow type

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

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

10. 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

11. Which component is related to exhaust system?

- A) Injection pump
- B) Air filter
- C) Carburetor
- D) Muffler

12. What is the purpose of catalytic converter?

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

13. What is the material of exhaust manifold?

- A) Brass
- B) Cast iron
- C) Steel alloy
- D) Bronze

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

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

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

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

16. Where the exhaust system muffler is connected?

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

17. Which lubrication system is used separate oil tank?

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

18. Where the catalytic converters are used?

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

19. What is the material of inlet manifold?

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

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

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

21. Which metal in the fuel is to be avoided while fitting catalytic convertor?

- A) Tin B) Lead
C) Chromium D) Phosphorus

22. Which type of filter element is fitted in dry type air cleaner?

- A) Strainer B) Cloth
C) Wire mesh D) Paper

23. Where is the turbocharger mounted?

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

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

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

25. Which type of muffler is fitted with sensors and microphone ?

- A) Straight through type B) Resonance type
C) Reverse flow type D) Electronic type

26. When the thermostat valve open in engine?

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

27. Which part is lubricated by splash lubrication system?

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

28. Which is related to pneumatic system?

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

29. Which part connects the petrol engine inlet manifold?

- A) Air filter B) Fuel pump
C) Carburetor D) Injector

30. Where heat dissipation take place in cooling system?

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

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

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

32. Which process is taken place in catalytic convertor?

- A) Thermal B) Physical
C) Biological D) Chemical

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

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

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

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

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

- A) Asbestos and ceramics B) Chromium and vanadium
C) Zinc and molybdenum D) Palladium and platinum

36. 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

37. How does a turbocharger get drive?

- A) By belt B) By gear
C) By exhaust gas D) By inlet gas

38. What is the reason to decrease the volumetric efficiency in exhaust system?

- A) Low temperature B) High temperature
C) Low noise D) Excessive back pressure

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

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

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

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

41. How many valves are used in radiator cap?

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

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

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

43. 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 temperature
- D) To check oil level

44. Which one is the properties of lubricant

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

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

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

46. Where the catalytic converter is fitted?

- A) Between tail pipe and resonator pipe
- B) Between muffler and tail pipe
- C) Between engine head and exhaust manifold
- D) Between exhaust pipe and muffler

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

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

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

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

49. Which part drives the oil pump?

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

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

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

51. What is the purpose of the muffler in the exhaust system?

- A) To reduce the vibration
- B) To filter the exhaust gases
- C) To reduce the noise
- D) To reduce the heat

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

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