

ITI Quiz - 01-May-2026

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Q. ID: ITISKILL5194TJ

May 2026

Question Paper

Duration: 52 Mins

Total Marks: 52

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Student Name: _____ Roll No: _____

1. Which process is taken place in catalytic convertor?

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

2. What is the purpose of the turbo charger?

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

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

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

4. When the thermostat valve open in engine?

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

5. Where the exhaust system muffler is connected?

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

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

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

7. How does a turbocharger get drive?

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

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

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

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

- A) Strainer
- B) Wire mesh

C) Paper

D) Cloth

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

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

11. Which part connects the petrol engine inlet manifold?

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

12. What is the material of exhaust manifold?

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

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

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

14. Which one is the properties of lubricant

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

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

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

16. Where is the turbocharger mounted?

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

17. How many valves are used in radiator cap?

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

18. Which part drives the oil pump?

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

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

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

20. Which is related to pneumatic system?

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

21. What is the material of inlet manifold?

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

22. Where the catalytic converter is fitted?

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

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

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

24. What is the purpose of catalytic converter?

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

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

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

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

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

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

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

28. Which oil is used in cooling system?

- A) Coolant oil
- B) Hydraulic oil

C) Lubricant oil

D) Mineral oil

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

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

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

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

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

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

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

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

33. What is the main purpose of the lubricant?

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

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

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

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

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

36. Which component is related to exhaust system?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

46. Where heat dissipation take place in cooling system?

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

47. Which lubrication system is used separate oil tank?

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

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

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

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

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

50. Which part is lubricated by splash lubrication system?

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

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

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

52. Where the catalytic converters are used?

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