

ITI Quiz - 01-May-2026

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Q. ID: ITISKILL5194TJ

May 2026

Answer Key

Duration: 52 Mins

Total Marks: 52

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1. Which one is the properties of lubricant

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

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

2. Where heat dissipation take place in cooling system?

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

Answer: C) Radiator

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

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

Answer: C) Petrol-oil lubrication

4. 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

Answer: D) Excessive back pressure

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

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

Answer: B) Radiator cap

6. Which part drives the oil pump?

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

Answer: B) Cam Shaft

7. Which is related to pneumatic system?

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

Answer: B) Compressed air

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

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

Answer: D) By belt

9. Which oil is used in cooling system?

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

Answer: C) Coolant oil

10. Where the exhaust system muffler is connected?

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

Answer: B) Between exhaust pipe and tail pipe

11. What is the main purpose of the lubricant?

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

Answer: D) Minimise the friction

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

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

Answer: B) Core tubes

13. Where is the turbocharger mounted?

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

Answer: B) Exhaust manifold

14. Which lubrication system is used separate oil tank?

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

Answer: C) Dry sump lubrication

15. 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

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

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

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

Answer: B) Paper

17. What is the purpose of the turbo charger?

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

Answer: A) Pump more air into the cylinder

18. Where the catalytic converter is fitted?

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

Answer: C) Between exhaust pipe and muffler

19. Which part connects the petrol engine inlet manifold?

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

Answer: B) Carburetor

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

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

Answer: C) Release the excess pressure

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

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

Answer: C) Worn out seal

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

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

Answer: D) Lubrication system

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

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

Answer: D) Air filter

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

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

Answer: A) Cylinder and head

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

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

Answer: C) Reduce the heat

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

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

Answer: B) Stop coolant flow

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

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

Answer: C) Thermo siphon system

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

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

Answer: A) Bearing noisy

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

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

Answer: A) Lead

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

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

Answer: C) Force the water circulation

31. Where the catalytic converters are used?

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

Answer: B) Exhaust system

32. How does a turbocharger get drive?

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

Answer: C) By exhaust gas

33. Which component is related to exhaust system?

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

Answer: D) Muffler

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

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

Answer: C) Two stroke engine

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

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

Answer: A) Cool the hot water

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

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

Answer: A) Centrifugal pump

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

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

Answer: C) More backlash

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

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

Answer: B) Palladium and platinum

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

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

Answer: D) To check oil level

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

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

Answer: A) Engine gets over heating

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

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

Answer: A) Impeller

42. When the thermostat valve open in engine?

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

Answer: C) Operating temperature of engine

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

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

Answer: D) Electronic type

44. What is the purpose of catalytic converter?

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

Answer: C) Control the emission

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

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

Answer: C) To reduce the noise

46. Which part is lubricated by splash lubrication system?

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

Answer: B) Cylinder wall

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

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

Answer: A) Through drilled oil passages

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

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

Answer: D) Electronic type

49. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical

50. What is the material of inlet manifold?

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

Answer: A) Aluminium alloy

51. What is the material of exhaust manifold?

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

Answer: A) Cast iron

52. How many valves are used in radiator cap?

- A) Three valves
- B) One valve

C) Two valves

D) Four valves

Answer: C) Two valves
