

ITI Quiz - 29-Apr-2026

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Q. ID: ITISKILL8931P0

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. 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

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

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

Answer: D) Electronic type

3. What is the material of exhaust manifold?

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

Answer: D) Cast iron

4. 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

Answer: D) Pump more air into the cylinder

5. Which component is related to exhaust system?

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

Answer: C) Muffler

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

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

Answer: D) To reduce the noise

7. Where is the turbocharger mounted?

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

Answer: B) Exhaust manifold

8. Which process is taken place in catalytic convertor?

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

Answer: C) Chemical

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

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

Answer: B) Paper

10. Where the catalytic converter is fitted?

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

Answer: B) Between exhaust pipe and muffler

11. What is the material of inlet manifold?

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

Answer: B) Aluminium alloy

12. Where the exhaust system muffler is connected?

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

Answer: A) Between exhaust pipe and tail pipe

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

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

Answer: D) Lead

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

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

Answer: D) Excessive back pressure

15. Which is related to pneumatic system?

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

Answer: B) Compressed air

16. How does a turbocharger get drive?

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

Answer: D) By exhaust gas

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

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

Answer: C) Palladium and platinum

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

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

Answer: A) Electronic type

19. Where the catalytic converters are used?

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

Answer: C) Exhaust system

20. Which part connects the petrol engine inlet manifold?

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

Answer: B) Carburetor

21. What is the purpose of catalytic converter?

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

Answer: D) Control the emission
