

ITI Quiz - 01-Apr-2026

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Q. ID: ITISKILL658100

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

Answer: A) Air filter

2. 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

3. What is the purpose of catalytic converter?

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

Answer: C) Control the emission

4. What is the purpose of the turbo charger?

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

Answer: D) Pump more air into the cylinder

5. Which is related to pneumatic system?

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

Answer: A) Compressed air

6. What is the material of exhaust manifold?

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

Answer: B) Cast iron

7. Which component is related to exhaust system?

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

Answer: D) Muffler

8. Where the catalytic converter is fitted?

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

Answer: C) Between exhaust pipe and muffler

9. What is the material of inlet manifold?

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

Answer: A) Aluminium alloy

10. Where is the turbocharger mounted?

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

Answer: C) Exhaust manifold

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

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

Answer: D) Excessive back pressure

12. Where the catalytic converters are used?

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

Answer: C) Exhaust system

13. 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

Answer: C) Between exhaust pipe and tail pipe

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

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

Answer: B) Palladium and platinum

15. Which part connects the petrol engine inlet manifold?

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

Answer: A) Carburetor

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

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

Answer: A) To reduce the noise

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

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

Answer: D) Lead

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

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

Answer: B) Electronic type

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

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

Answer: D) Electronic type

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

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

Answer: A) Paper

21. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical
