

ITI Quiz - 28-Apr-2026

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Q. ID: ITISKILL0940VE

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. Which part connects the petrol engine inlet manifold?

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

Answer: C) Carburetor

2. What is the material of exhaust manifold?

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

Answer: D) Cast iron

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

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

Answer: D) Lead

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

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

Answer: B) Excessive back pressure

5. Where the catalytic converter is fitted?

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

Answer: C) Between exhaust pipe and muffler

6. 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

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

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

Answer: C) Palladium and platinum

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

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

Answer: D) Air filter

9. 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 exhaust manifold
- D) Between exhaust pipe and tail pipe

Answer: D) Between exhaust pipe and tail pipe

10. 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

11. What is the purpose of the turbo charger?

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

Answer: C) Pump more air into the cylinder

12. 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

13. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold

14. Which component is related to exhaust system?

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

Answer: B) Muffler

15. How does a turbocharger get drive?

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

Answer: A) By exhaust gas

16. What is the purpose of catalytic converter?

- A) Control the emission
- B) Control the temperature

- C) Control the fuel consumption D) Control the noise

Answer: A) Control the emission

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

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

Answer: C) Paper

18. What is the material of inlet manifold?

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

Answer: B) Aluminium alloy

19. Which is related to pneumatic system?

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

Answer: A) Compressed air

20. Where the catalytic converters are used?

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

Answer: C) Exhaust system

21. Which process is taken place in catalytic convertor?

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

Answer: A) Chemical
