

ITI Quiz - 30-Apr-2026

11:41 AM

Q. ID: ITISKILL0647TU

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. Where the catalytic converter is fitted?

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

Answer: A) Between exhaust pipe and muffler

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

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

Answer: C) Excessive back pressure

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

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

Answer: B) Electronic type

4. Where the exhaust system muffler is connected?

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

Answer: A) Between exhaust pipe and tail pipe

5. Which part connects the petrol engine inlet manifold?

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

Answer: B) Carburetor

6. What is the purpose of the turbo charger?

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

Answer: D) Pump more air into the cylinder

7. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

8. Which is related to pneumatic system?

- A) Pressurized water
B) Compressed air

C) Electric

D) Steam

Answer: B) Compressed air

9. Which component is related to exhaust system?

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

Answer: B) Muffler

10. Which process is taken place in catalytic convertor?

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

Answer: C) Chemical

11. Where the catalytic converters are used?

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

Answer: A) Exhaust system

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

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

Answer: A) Palladium and platinum

13. How does a turbocharger get drive?

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

Answer: D) By exhaust gas

14. What is the purpose of catalytic converter?

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

Answer: D) Control the emission

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

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

Answer: A) Electronic type

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

- A) Muffler
- C) Fuel filter

- B) Air filter
- D) Oil filter

Answer: B) Air filter

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

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

Answer: A) To reduce the noise

18. Where is the turbocharger mounted?

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

Answer: A) Exhaust manifold

19. What is the material of exhaust manifold?

- A) Steel alloy
- C) Brass

- B) Bronze
- D) Cast iron

Answer: D) Cast iron

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

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

Answer: C) Paper

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

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

Answer: C) Lead