

ITI Quiz - 28-Apr-2026

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Q. ID: ITISKILL8540ND

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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1. 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

2. What is the material of exhaust manifold?

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

Answer: C) Cast iron

3. Where the catalytic converter is fitted?

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

Answer: D) Between exhaust pipe and muffler

4. What is the purpose of the turbo charger?

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

Answer: D) Pump more air into the cylinder

5. How does a turbocharger get drive?

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

Answer: C) By exhaust gas

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

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

Answer: D) Palladium and platinum

7. Which process is taken place in catalytic convertor?

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

Answer: A) Chemical

8. Which is related to pneumatic system?

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

Answer: C) Compressed air

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

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

Answer: A) Air filter

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

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

Answer: A) Lead

11. Where is the turbocharger mounted?

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

Answer: B) Exhaust manifold

12. Where the catalytic converters are used?

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

Answer: D) Exhaust system

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

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

Answer: B) Paper

14. Which component is related to exhaust system?

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

Answer: B) Muffler

15. What is the purpose of catalytic converter?

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

Answer: A) Control the emission

16. Which part connects the petrol engine inlet manifold?

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

Answer: C) Carburetor

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

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

Answer: A) Electronic type

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

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

Answer: C) Excessive back pressure

19. What is the material of inlet manifold?

- A) Bronze
- B) Stainless steel

C) Brass

D) Aluminium alloy

Answer: D) Aluminium alloy

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

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

Answer: B) Electronic type

21. Where the exhaust system muffler is connected?

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

Answer: D) Between exhaust pipe and tail pipe