

ITI Quiz - 26-Apr-2026

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Q. ID: ITISKILL4542A3

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 21

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

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

Answer: A) Paper

2. Where is the turbocharger mounted?

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

Answer: C) Exhaust manifold

3. Which component is related to exhaust system?

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

Answer: D) Muffler

4. What is the purpose of the turbo charger?

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

Answer: D) Pump more air into the cylinder

5. What is the purpose of catalytic converter?

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

Answer: B) Control the emission

6. What is the material of exhaust manifold?

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

Answer: B) Cast iron

7. Which metal in the fuel is to be avoided while fitting catalytic converter?

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

Answer: C) Lead

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

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

Answer: B) Excessive back pressure

9. 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

10. Which process is taken place in catalytic converter?

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

Answer: C) Chemical

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

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

Answer: A) Electronic type

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

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

Answer: C) Air filter

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

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

Answer: D) Palladium and platinum

14. Where the catalytic converter is fitted?

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

Answer: A) Between exhaust pipe and muffler

15. Where the exhaust system muffler is connected?

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

Answer: B) Between exhaust pipe and tail pipe

16. Where the catalytic converters are used?

- A) Lubrication system
- B) Inlet system

- C) Exhaust system D) Fuel system

Answer: C) Exhaust system

17. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

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

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

Answer: B) Electronic type

19. Which is related to pneumatic system?

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

Answer: A) Compressed air

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

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

Answer: C) To reduce the noise

21. Which part connects the petrol engine inlet manifold?

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

Answer: B) Carburetor
