

ITI Quiz - 26-Apr-2026

07:19 PM

Q. ID: ITISKILL4180UM

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

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

Answer: C) To reduce the noise

3. What is the material of exhaust manifold?

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

Answer: B) Cast iron

4. Which process is taken place in catalytic convertor?

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

Answer: D) Chemical

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

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

Answer: A) Paper

6. Where the exhaust system muffler is connected?

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

Answer: A) Between exhaust pipe and tail pipe

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

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

Answer: B) Electronic type

8. What is the purpose of the turbo charger?

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

Answer: A) Pump more air into the cylinder

9. What is the purpose of catalytic converter?

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

Answer: D) Control the emission

10. Which part connects the petrol engine inlet manifold?

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

Answer: C) Carburetor

11. How does a turbocharger get drive?

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

Answer: A) By exhaust gas

12. 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

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

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

Answer: C) Palladium and platinum

14. Which is related to pneumatic system?

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

Answer: C) Compressed air

15. Where the catalytic converters are used?

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

Answer: D) Exhaust system

16. Which component is related to exhaust system?

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

Answer: C) Muffler

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

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

Answer: D) Lead

18. Where is the turbocharger mounted?

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

Answer: D) Exhaust manifold

19. What is the material of inlet manifold?

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

Answer: D) Aluminium alloy

20. Where the catalytic converter is fitted?

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

Answer: C) Between exhaust pipe and muffler

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

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

Answer: B) Excessive back pressure
