

ITI Quiz - 28-Apr-2026

12:21 PM

Q. ID: ITISKILL1785DR

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 21

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Student Name: _____ Roll No: _____

1. What is the material of exhaust manifold?

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

2. Where is the turbocharger mounted?

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

3. What is the material of inlet manifold?

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

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

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

5. What is the purpose of catalytic converter?

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

6. Which is related to pneumatic system?

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

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

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

8. 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

9. Which component is related to exhaust system?

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

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

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

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

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

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

13. 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

14. Where the catalytic converter is fitted?

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

15. How does a turbocharger get drive?

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

16. Which part connects the petrol engine inlet manifold?

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

17. Which process is taken place in catalytic converter?

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

18. Where the catalytic converters are used?

- A) Fuel system B) Inlet system

C) Exhaust system

D) Lubrication system

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

A) Straight through type

B) Reverse flow type

C) Electronic type

D) Resonance type

20. Where the exhaust system muffler is connected?

A) Between exhaust pipe and exhaust manifold

B) Between exhaust pipe and tail pipe

C) Between tail pipe and exhaust manifold

D) Between engine head and exhaust manifold

21. What is the purpose of the turbo charger?

A) Filter the exhaust gas

B) Save power

C) Scavenging

D) Pump more air into the cylinder