

ITI Quiz - 02-Apr-2026

06:33 PM

Q. ID: ITISKILL7538X5

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 21

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Student Name: _____ Roll No: _____

1. Where the catalytic converter is fitted?

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

C) Between tail pipe and exhaust manifold

D) Between exhaust pipe and exhaust manifold

2. Which part connects the petrol engine inlet manifold?

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

10. How does a turbocharger get drive?

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

3. Where the catalytic converters are used?

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

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

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

4. 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

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

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

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

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

13. Which process is taken place in catalytic convertor?

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

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

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

14. Which component is related to exhaust system?

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

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

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

15. What is the material of exhaust manifold?

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

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

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

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

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

9. Where the exhaust system muffler is connected?

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

17. Which is related to pneumatic system?

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

18. What is the purpose of catalytic converter?

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|-------------------------|---------------------------------|
| A) Control the emission | B) Control the fuel consumption |
| C) Control the noise | D) Control the temperature |
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19. What is the material of inlet manifold?

- | | |
|--------------------|-----------|
| A) Aluminium alloy | B) Brass |
| C) Stainless steel | D) Bronze |
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20. Where is the turbocharger mounted?

- | | |
|-------------------|---------------------|
| A) Cylinder head | B) Air filter |
| C) Inlet manifold | D) Exhaust manifold |
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21. What is the purpose of the turbo charger?

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