

ITI Quiz - 09-Apr-2026

11:11 AM

Q. ID: ITISKILL7590C5

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 21

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Student Name: _____ Roll No: _____

1. Which type of engine uses SCR for emission control?

- A) Petrol engine
B) CNG engine
C) LPG engine
D) Diesel engine

- A) NO_x
B) CO
C) CO₂
D) Hydro carbon

2. Which type of vehicle emission is measured in g/Km??

- A) Two wheeler and LMV
B) Two wheeler only
C) Light motor vehicle (LMV) only
D) Heavy motor vehicles (HMV)

10. Which device changes carbon monoxide into carbon dioxide in the exhaust gas?

- A) Exhaust gas regulator
B) Muffler
C) Canister
D) Catalytic converter

3. What is the purpose of the EVAP canister?

- A) to trap the fresh charge
B) to trap the leak off fuel
C) to trap the exhaust gas
D) to trap the fuel vapour

11. What is acronym for DEF in selective catalytic reduction?

- A) Diesel exhaust fluid
B) Diesel engine fluid
C) Diesel emission fluid
D) Diesel engine fuse

4. What is the acronym for EGR in emission control system?

- A) Exhaust gas recirculation
B) Exhaust gate regulator
C) Engine gas recirculation
D) Emission gas recirculation

12. Which controls the EGR valve in modern vehicle?

- A) Linear electronic controlled valve
B) Solenoid controlled valve
C) Engine vacuum controlled valve
D) Vacuum regulated valve

5. What is acronym for SCR in emission control system?

- A) Selective catalytic reduction
B) Silicon controlled rectifier
C) Selective controlled rectifier
D) Selective controlled reduction

13. When does a fresh charge escapes from the petrol engine exhaust?

- A) During valve lead
B) During valve open
C) During valve overlap
D) During valve lag

6. Which emission react with other compounds in the atmosphere to produce photo chemical smog?

- A) HC
B) PM
C) CO
D) SO_x

14. Which type of vehicle emissions is measured in g/Kwh??

- A) Heavy motor vehicle
B) Light motor vehicle
C) Two wheeler and light motor vehicle
D) Two wheeler

7. Which type of the emission control system that blow by gases are feed in to the inlet manifold of a running engine?

- A) Exhaust gas recirculation
B) Catalytic convention
C) Crank case ventilation
D) Positive crank case ventilation

15. What does EPA refers to environment?

- A) Environmental provision act
B) Environmental prevention act
C) Environmental protection agency
D) Environmental provision agency

8. Which type of fuel is recommended for catalytic converter installed engines?

- A) Low speed diesel
B) Leaded petrol
C) Unleaded petrol
D) High speed diesel

16. Which reaction is irrelevant to the 3 way catalytic converters?

- A) $HC + 2O \rightarrow CO_2 + H_2O$
B) $CO + 2O \rightarrow CO_2$
C) $C + CO_2 \rightarrow 2CO$
D) $NO_x + N_2 \rightarrow CO_2 + Co$

9. What is the major constituents of blow by gas?

17. What is the effect of high sulphur content in fuel?

- A) Pitting in the engine parts B) Corrosive Wear of engine parts
C) In complete combustion D) Fungus in the cylinder walls

18. Which one of the hydro carbon (HC) emitted due to lack of oxygen?

- A) From exhaust manifold B) From blow by crank case
C) From carburettor D) From fuel tank

19. Which is the proposed date of implementation of bharat

stage - 5 in entire country?

- A) 1.4.2020 B) 1.4.2018
C) 1.4.2025 D) 1.4.2019

20. Where is connected the EVAP canister outlet?

- A) Exhaust manifold B) Fuel tank
C) Intet manifold D) Catalyst converter

21. Which is a colourless, odourless tasteless and high toxic gas?

- A) NO_X B) CO
C) CO₂ D) SO_X