ITI Quiz - 05-May-2026 03:33 PM

Q. ID: ITISKILL9966K2

May 2026 | **Iti** | Answer Key

Duration: 30 Mins | **Total Marks: 44** | **Q.ID: ITISKILL9966K2**

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

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

Answer: A) Catalytic converter

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

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

Answer: A) Positive crank case ventilation

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

A) SO_X
B) CO₂
C) NO_X
D) CO

Answer: D) CO

4. Which is develop diesel pressure in the CRDI engine?

A) High pressure pump
B) ECM
C) Fuel tank
D) Injection

Answer: A) High pressure pump

5. Which type of engine has common rail direct fuel injection system?

A) Diesel engine
B) Wankle engine
C) Turbine engine
D) Steam engine

Answer: A) Diesel engine

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

A) NO_X
B) CO₂
C) Hydro carbon
D) CO

Answer: C) Hydro carbon

7. What is the function of heater plug?

A) Warm up combustion chamber
B) Warm up injector
C) Warm up valves
D) Warm up fuel pump

Answer: A) Warm up combustion chamber

8. Where is fuel injector fitted?

A) Cylinder head
B) Cylinder block
C) Crank case
D) Head cover

Answer: A) Cylinder head

9. Which part connected in between inlet manifold and low pressure chamber of pneumatic governor?

A) Vacuum tube
B) Accelerator cable
C) Throttle lever
D) Stop lever cable

Answer: A) Vacuum tube

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

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

Answer: D) Selective catalytic reduction

11. Where is the pressure discharge valve is fitted in CRDI fuel system?

A) Injectors
B) Fuel filter
C) Common rail
D) Fuel pump

Answer: C) Common rail

12. Which governor has fitted the control rack with diaphragm?

A) Servo governor
B) Mechanical governor
C) Centrifugal governor
D) Pneumatic governor

Answer: D) Pneumatic governor

13. Which is the process of fuel bleeding system?

A) Remove the air
B) Burn the air
C) Pump the air
D) Pressurize the air

Answer: A) Remove the air

14. What does EPA refers to environment?

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

Answer: A) Environmental protection agency

15. How much pressure develop the CRDI- diesel engine pump?

A) 100 - 200 bar
B) 600 - 1000 bar
C) 200 - 600 bar
D) 1000 - 1600 bar

Answer: D) 1000 - 1600 bar

16. 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

Answer: A) 1.4.2020

17. Which is leak proof between nozzle and nozzle body?

A) Increase the power B) Mirror polishing finish in nozzle and body
C) Easy starting D) Prevent dirty smoke

Answer: B) Mirror polishing finish in nozzle and body

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

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

Answer: A) Diesel exhaust fluid

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

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

Answer: C) Exhaust gas recirculation

20. How the CRDI injectors pressure control valve operated?

A) Hydraulic B) Manually
C) Mechanically D) Electronically

Answer: D) Electronically

21. Which action the spindle only move up and down in feed pump?

A) Idling action B) Normal action
C) Partial action D) pumping action

Answer: A) Idling action

22. Where is the delivery pipe of fuel feed pump connected?

A) Fuel gallery B) Fuel filter
C) Fuel tank D) Fuel injection pump

Answer: B) Fuel filter

23. Where the fuel feed pump of a diesel engine usually mounted?

A) Fuel injection pump B) Fuel injector
C) Fuel Filter D) Fuel gallery

Answer: A) Fuel injection pump

24. What is the purpose of baffles in the fuel tank?

A) To minimize the slushing of fuel in the tank B) To strengthen the fuel tank
C) To make chambers in the fuel tank D) To make square and lengthy fuel tank

Answer: A) To minimize the slushing of fuel in the tank

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

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

Answer: D) Heavy motor vehicle

26. Which controls the EGR valve in modern vehicle?

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

Answer: C) Linear electronic controlled valve

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

A) CO H₂O + CO O₂ B) C CO₂ O₂
C) NO_X N₂ + CO₂ Co D) HC H₂O + CO₂ O₂

Answer: B) C CO₂ O₂

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

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

Answer: A) Unleaded petrol

29. When do we use the hand priming pump?

A) Engine is at full load B) Engine is at rest
C) Engine is at idling speed D) Engine is at full speed

Answer: B) Engine is at rest

30. Which one of the hydro carbon (HC) emited due to lack of oxygen?

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

Answer: C) From exhaust manifold

31. Which electronic device controls the engine system?

A) Ecm B) Fuse
C) Regulator D) Switch

Answer: A) Ecm

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

A) HC B) SO_X
C) CO D) PM

Answer: A) HC

33. How many fuel chamber's are in HEUI?

A) Three B) One

C) Two
D) Four

Answer: C) Two

34. How the quantity of fuel delivery vary in a running diesel engine?

A) By injection
B) By control sleeve
C) By plunger
D) By control rack

Answer: D) By control rack

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

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

Answer: C) Diesel engine

36. What is the purpose of the EVAP canister?

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

Answer: B) to trap the fuel vapour

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

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

Answer: A) During valve overlap

38. Which valve is maintaining in the high pressure FIP pipe line?

A) Barrel
B) Control rack
C) Delivery valve
D) Plunger

Answer: C) Delivery valve

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

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

Answer: D) Two wheeler and LMV

40. Which fuel related with cetane number?

A) Petrol
B) Diesel
C) Coal
D) Kerosene

Answer: B) Diesel

41. How much maximum fuel pressure developed in fuel injection pump?

A) 400 to 700 Kgf/cm²
B) 100 to 200 Kgf/cm²
C) 300 to 400 Kgf/cm²
D) 200 to 300 Kgf/cm²

Answer: A) 400 to 700 Kgf/cm²

42. What is the defects of air lock in the fuel system?

A) Smooth running of the engine
B) Continuous running of the engine
C) Hard running of the engine
D) erratic running of the engine

Answer: D) erratic running of the engine

43. Where is connected the EVAP canister outlet?

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

Answer: D) Intet manifold

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

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

Answer: A) Corrosive Wear of engine parts