



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

A)  $\text{NO} + \text{N}_2 + \text{CO}_2 \rightarrow \text{CO} + \text{N}_2$   
(Incorrect)

B)  $\text{HC} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$

C)  $\text{CO} + \text{O}_2 \rightarrow \text{CO}_2$

D)  $\text{C} + \text{CO}_2 \rightarrow 2\text{CO}$   
**(Correct)**

19. 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) Crank case ventilation

C) **Positive crank case ventilation**

D) Catalytic convention  
(Incorrect)

20. Which controls the EGR valve in modern vehicle?

A) Engine vacuum controlled valve

B) Vacuum regulated valve

C) **Linear electronic controlled valve (Correct)**

D) Solenoid controlled valve

21. What does EPA refers to environment?

A) **Environmental protection agency**

B) Environmental provision act  
(Incorrect)

C) Environmental prevention act

D) Environmental provision agency

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

A) 100 - 200 bar

B) 200 - 600 bar

C) 600 - 1000 bar

D) **1000 - 1600 bar (Correct)**

23. Where is fuel injector fitted?

A) **Cylinder head**

B) Cylinder block

C) Head cover (Incorrect)

D) Crank case

24. Which electronic device controls the engine system?

A) Regulator

B) **Ecm (Correct)**

C) Fuse

D) Switch

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

A) One

B) **Two (Correct)**

C) Three

D) Four

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

A) Accelerator cable

B) **Vacuum tube (Correct)**

C) Stop lever cable

D) Throttle lever

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

A) By plunger

B) By control sleeve

C) **By control rack (Correct)**

D) By injection

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

A) Fuel Filter

B) Fuel gallery

C) Fuel injector

D) **Fuel injection pump (Correct)**

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

A) Steam engine

B) **Diesel engine**

C) Turbine engine

D) Wankle engine (Incorrect)

30. How the CRDI injectors pressure control valve operated?

A) Mechanically

B) **Electronically (Correct)**

C) Manually

D) Hydraulic

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

A) **Common rail (Correct)**

B) Fuel pump

C) Injectors

D) Fuel filter

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

A) ECM

B) Injection

C) Fuel tank (Incorrect)

D) **High pressure pump**

33. What is the function of heater plug?

A) Warm up fuel pump

B) **Warm up combustion chamber (Correct)**

C) Warm up injector

D) Warm up valves

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

A) Increase the power

B) Prevent dirty smoke

C) Easy starting

D) **Mirror polishing finish in nozzle and body (Correct)**

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

A) 100 to 200

B) 200 to 300

Kgf/cm<sup>2</sup>

Kgf/cm<sup>2</sup>

C) 300 to 400

Kgf/cm<sup>2</sup>  
(Incorrect)

D) **400 to 700**

Kgf/cm<sup>2</sup>

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

A) Mechanical governor

B) **Pneumatic governor (Correct)**

C) Servo governor

D) Centrifugal governor

37. Which fuel related with cetane number?

- A) Petrol  
C) Coal (Incorrect)  
B) **Diesel**  
D) Kerosene

38. Which is the process of fuel bleeding system?

- A) Burn the air  
C) **Remove the air (Correct)**  
B) Pump the air  
D) Pressurize the air

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

- A) Fuel tank  
C) Fuel gallery  
B) **Fuel filter (Correct)**  
D) Fuel injection pump

40. When do we use the hand priming pump?

- A) **Engine is at rest (Correct)**  
C) Engine is at full speed  
B) Engine is at full load  
D) Engine is at idling speed

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

- A) Control rack  
C) Barrel

- B) **Delivery valve (Correct)**  
D) Plunger

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

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

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

- A) Hard running of the engine  
C) Smooth running of the engine  
B) **erratic running of the engine (Correct)**  
D) Continuous running of the engine

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

- A) **Idling action**  
C) Normal action  
B) Partial action  
D) pumping action (Incorrect)