

FUEL SYSTEM

Q. ID: ITISKILL0795YD

February 2026

Answer Key

Duration: 60 Mins

Total Marks: 23

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

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

Answer: B) Common rail

2. How the CRDI injectors pressure control valve operated?

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

Answer: A) Electronically

3. What is the function of heater plug?

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

Answer: A) Warm up combustion chamber

4. Which electronic device controls the engine system?

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

Answer: B) Ecm

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

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

Answer: D) High pressure pump

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

- A) One
- B) Three
- C) Two
- D) Four

Answer: C) Two

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

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

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

8. 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

9. Which is the process of fuel bleeding system?

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

Answer: C) Remove the air

10. Where is fuel injector fitted?

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

Answer: A) Cylinder head

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

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

Answer: A) Delivery valve

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

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

Answer: D) Pneumatic governor

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

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

Answer: A) Mirror polishing finish in nozzle and body

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

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

Answer: B) 400 to 700 Kgf/cm²

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

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

Answer: C) Fuel filter

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

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

Answer: B) Fuel injection pump

17. Which fuel related with cetane number?

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

Answer: D) Diesel

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

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

Answer: B) Diesel engine

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

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

Answer: A) Idling action

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

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

Answer: D) By control rack

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

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

Answer: D) Vacuum tube

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

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

Answer: A) erratic running of the engine

23. When do we use the hand priming pump?

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

Answer: C) Engine is at rest
