

FUEL SYSTEM

Q. ID: ITISKILL0795YD

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Question Paper

Duration: 60 Mins

Total Marks: 23

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Student Name: _____

Roll No: _____

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

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

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

2. What is the function of heater plug?

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

10. Which electronic device controls the engine system?

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

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

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

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

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

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

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

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

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

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

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

13. Where is fuel injector fitted?

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

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

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

14. Which fuel related with cetane number?

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

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

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

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

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

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

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

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

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

9. Which is the process of fuel bleeding system?

17. How the CRDI injectors pressure control valve operated?

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

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

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

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

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

20. When do we use the hand priming pump?

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

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

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

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

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

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

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

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