

- C) Transfer port **D) Combustion chamber (Correct)**
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- 20.** How many crank shaft rotations required to get one power in four stroke single cylinder diesel engine?
 A) One **B) Two (Correct)**
 C) Three D) Four
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- 21.** What is the angle of throw for 4 cylinder engine?
 A) 60 Degree B) 90 Degree
 C) 120 Degree **D) 180 Degree (Correct)**
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- 22.** Which is used to determine the stroke of an engine?
 A) Cycle **B) Throw (Correct)**
 C) Dia of piston D) Length of connecting rod
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- 23.** How the set of operations performed in sequence of motion of the piston in an engine produce power is called?
A) Cycle (Correct) B) Stroke
 C) Stroke D) Efficiency
-
- 24.** Which is the compression pressure of C.I engine?
 A) 90 to 160 psi B) 180 to 280 psi
 C) 290 to 390 psi **D) 400 to 550 psi (Correct)**
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- 25.** Which is the engine called as constant volume cycle?
A) S.I engine (Correct) B) C.I engine
 C) Turbine engine D) Steam engine
-
- 26.** A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as
 A) Constant volume B) Constant pressure
C) Diesel Cycle (Correct) D) Isothermal
-
- 27.** A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as
 A) Constant volume B) Constant pressure
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-
- 28.** How can identify a two stroke engine?
 A) Valves **B) Ports (Correct)**
 C) Cavities D) Passages
-
- 29.** What is the compression ratio of an engine, its clearance volume is 10 c.c and swept volume is 90 c.c?
 A) 08:01 B) 09:01
C) 10:01 (Correct) D) 11:01
-
- 30.** Which is the power developed in an engine?
 A) BHP **B) IHP (Correct)**
 C) IHP D) RHP
-
- 31.** What is the stroke length of the engine if its throw of the crankshaft is 40 mm?
 A) 20 mm B) 40 mm
 C) 60 mm **D) 80 mm (Correct)**
-
- 32.** When the valve clearance to be adjusted?
 A) Fully closed B) Partially closed (Incorrect)
 C) Fully opened **D) Just opened**
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- 33.** Which is the starting system used in heavy vehicles?
A) Electric motor cranking B) Hand cranking
C) Gasoline engine cranking (Incorrect) D) Compressed air cranking
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- 34.** Which engine has fuel injection pump?
 A) Petrol engine **B) Diesel engine (Correct)**
 C) CRDI engine D) MPFI engine
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- 35.** Which engine has carburetor?
A) Petrol B) Diesel (Incorrect)
 C) Kerosene D) Mineral oil
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- 36.** What is the mechanical efficiency of an engine?
A) (BHP/IHP)x100 (Correct) B) (BHP/FHP)x100
 C) (IHP/BHP)x100 D) (FHP/BHP)x100
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- 37.** What is the process of driving exhaust gases in two stroke engine out of cylinder?
A) Combustion (Incorrect) B) Super charging
C) Scavenging D) Intaking
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- 38.** Why suction tube in the tank is raised above?
 A) To enter air **B) To avoid suction of water in fuel (Correct)**
 C) To enter condensed water D) To act atmospheric pressure
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- 39.** What is the purpose of valve in AC fuel pump?
A) Creating suction (Incorrect) B) Creating pressure
 C) Supply correct quantity of fuel **D) Allow the fuel to suck and deliver**
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- 40.** Which causes the air enter into cylinder?

- A) Air filtering
- C) AC fuel pump pressure

- B) Engine vacuum (Correct)**
- D) Carburettor air-horn pressure

41. How the AC mechanical pump's fuel delivery pressure is determined?

- A) Spring pressure on diaphragm
- C) Size of the pumping chamber (Incorrect)

- B) Maximum stroke of diaphragm**
- D) Maximum deflection of diaphragm

42. What is the purpose of needle valve in carburetor?

- A) Decrease the fuel pressure
- B) Excess supply of fuel at idle
- C) Always holds correct level of fuel (Correct)**
- D) Controls the air flow of the engine

43. What is the purpose of throttle valve in the carburetor?

- A) Filter the fuel (Incorrect)
- B) Always holds correct fuel
- C) Excess supply of fuel at idle
- D) Controls air fuel mixture into the engine**

44. What is the purpose of accelerating pump circuit?

- A) Provides an economic mixture
- B) Provides mixture for low speed
- C) Provides mixture for idle speed
- D) Provides extra fuel during pick up speed (Correct)**

45. Which device is vaporizing of fuel and mixing it with air in petrol engine?

- A) Tank (Incorrect)
- C) Carburetor**

- B) Fuel filter
- D) AC fuel pump

46. Which of the following fuel quality determines burning property of petrol?

- A) Volatility
- B) Viscosity
- C) Cetane number (Incorrect)
- D) Octane number**

47. Which of the following fuel quality determines burning property of diesel?

- A) Volatility
- B) Viscosity
- C) Cetane number (Correct)**
- D) Octane number

48. Which of the following fuel quality determines to evaporate?

- A) Volatility**
- B) Viscosity
- C) Cetane number (Incorrect)
- D) Octane number

49. Which of the following fuel quality determines fuel to flow?

- A) Volatility
- B) Viscosity**
- C) Cetane number (Incorrect)
- D) Octane number

50. Which association of india is playing crucial role in less pollution?

- A) AAI (Automobile Association of India)
- B) AIA (Automotive industry Association)
- C) AASI (Automobile Association if South India)
- D) ARAI (Automotive research association of India) (Correct)**