



20. How many crank shaft rotations required to get one power in four stroke single cylinder diesel engine?

- A) One (Incorrect)                      **B) Two**  
C) Three                                      D) Four

21. What is the angle of throw for 4 cylinder engine?

- A) 60 Degree                                B) 90 Degree  
C) 120 Degree                              **D) 180 Degree (Correct)**

22. Which is used to determine the stroke of an engine?

- A) Cycle                                      **B) Throw**  
C) Dia of piston                            D) Length of connecting rod  
(Incorrect)

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 (Incorrect)  
C) 290 to 390 psi                           **D) 400 to 550 psi**

25. Which is the engine called as constant volume cycle?

- A) S.I engine**                                B) C.I engine  
C) Turbine engine                         D) Steam engine (Incorrect)

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

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28. How can identify a two stroke engine?

- A) Valves                                      **B) Ports**  
C) Cavities                                    D) Passages (Incorrect)

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 (Incorrect)                      B) 40 mm  
C) 60 mm                                      **D) 80 mm**

32. When the valve clearance to be adjusted?

- A) Fully closed (Incorrect)                B) Partially closed  
C) Fully opened                              **D) Just opened**

33. Which is the starting system used in heavy vehicles?

- A) Electric motor cranking (Correct)**    B) Hand cranking  
C) Gasoline engine cranking    D) Compressed air cranking

34. Which engine has fuel injection pump?

- A) Petrol engine                              **B) Diesel engine (Correct)**  
C) CRDI engine                                D) MPFI engine

35. Which engine has carburetor?

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

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

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

38. Why suction tube in the tank is raised above?

- A) To enter air (Incorrect)                **B) To avoid suction of water in fuel**  
C) To enter condensed water              D) To act atmospheric pressure

39. What is the purpose of valve in AC fuel pump?

- A) Creating suction                        B) Creating pressure  
C) Supply correct quantity of fuel (Incorrect)    **D) Allow the fuel to suck and deliver**

40. Which causes the air enter into cylinder?

- A) Air filtering                                **B) Engine vacuum (Correct)**  
C) AC fuel pump pressure                D) Carburettor air-horn pressure

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

- A) Spring pressure on diaphragm
- B) **Maximum stroke of diaphragm**
- C) Size of the pumping chamber
- D) Maximum deflection of diaphragm (Incorrect)

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

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

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

- A) Filter the fuel
- B) Always holds correct fuel (Incorrect)
- 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 (Incorrect)
- C) Provides mixture for idle speed
- D) **Provides extra fuel during pick up speed**

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

- A) Tank
- B) Fuel filter
- C) **Carburetor**
- D) AC fuel pump (Incorrect)

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

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

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

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

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

- A) **Volatility**
- B) Viscosity (Incorrect)
- C) Cetane number
- 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) (Incorrect)
- C) AASI (Automobile Association of South India)
- D) **ARAI (Automotive research association of India)**