

- A) Intake port
C) Transfer port

- B) Exhaust port
D) Combustion chamber (Correct)

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

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

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

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

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

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

23. How the set of operations performed in sequence of motion of the piston in an engine produce power is called?

- A) Cycle**
C) Stroke
- B) Stroke (Incorrect)
D) Efficiency

24. Which is the compression pressure of C.I engine?

- A) 90 to 160 psi
C) 290 to 390 psi
- B) 180 to 280 psi
D) 400 to 550 psi (Correct)

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

- A) S.I engine (Correct)**
C) Turbine engine
- B) C.I 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
C) Diesel Cycle (Correct)
- B) Constant pressure
D) Isothermal

27. A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as

- A) Constant volume
C) Diesel Cycle (Correct)
- B) Constant pressure
D) Isothermal

28. How can identify a two stroke engine?

- A) Valves
C) Cavities
- B) Ports (Correct)**
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
C) 10:01 (Correct)
- B) 09:01
D) 11:01

30. Which is the power developed in an engine?

- A) BHP
C) IHP
- B) IHP (Correct)**
D) RHP

31. What is the stroke length of the engine if its throw of the crankshaft is 40 mm?

- A) 20 mm
C) 60 mm
- B) 40 mm
D) 80 mm (Correct)

32. When the valve clearance to be adjusted?

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

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

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

34. Which engine has fuel injection pump?

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

35. Which engine has carburetor?

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

36. What is the mechanical efficiency of an engine?

- A) (BHP/IHP)x100 (Correct)**
C) (IHP/BHP)x100
- B) (BHP/FHP)x100
D) (FHP/BHP)x100

37. What is the process of driving exhaust gases in two stroke engine out of cylinder?

- A) Combustion
C) Scavenging (Correct)
- B) Super charging
D) Intaking

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

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

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

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

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

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

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

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

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

44. What is the purpose of accelerating pump circuit?

- A) Provides an economic mixture
C) Provides mixture for idle speed
- B) Provides mixture for low 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
C) Carburetor (Correct)
- B) Fuel filter
D) AC fuel pump

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

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

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

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

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

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

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

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

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

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