

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
C) Dia of piston
B) **Throw**
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**
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 (Incorrect)
D) **400 to 550 psi**

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

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

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 (Incorrect)
C) **10:01**
B) 09:01
D) 11:01

30. Which is the power developed in an engine?

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

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

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

32. When the valve clearance to be adjusted?

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

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

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

34. Which engine has fuel injection pump?

- A) Petrol engine
C) CRDI engine (Incorrect)
B) **Diesel engine**
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**
C) (IHP/BHP)x100
B) (BHP/FHP)x100
D) (FHP/BHP)x100 (Incorrect)

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

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

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

- A) To enter air (Incorrect)
C) To enter condensed water
B) **To avoid suction of water in fuel**
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 (Incorrect)
B) Creating pressure
D) **Allow the fuel to suck and deliver**

40. Which causes the air enter into cylinder?

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

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

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
- 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
- C) Cetane number
- D) Octane number (Correct)**

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 (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
- D) Octane number (Incorrect)

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 if South India)
- D) ARAI (Automotive research association of India)**

51. How many national automotive testing and R&D infrastructure projects (NATRIP) are established in India?

- A) 4
- B) 5
- C) 6
- D) 7 (Correct)**

52. How many flywheel rotation requiries to compelet one cycle in two stroke engine?

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

53. What is heat?

- A) Torque
- B) Force (Incorrect)
- C) Energy**
- D) Velocity

54. What is indicated horse power?

- A) Power developed in the cylinder (Correct)**
- B) Power developed in the flywheel
- C) Power developed in the propeller shaft
- D) Power developed in the wheel

55. What is brake horse power?

- A) Power available at fly wheel**
- B) Power available at the cylinder
- C) Power available at the wheels
- D) Power available at the gear box (Incorrect)

56. What is the formula for Frictional horse power (FHP)?

- A) IHP - BHP**
- B) IHP + BHP (Incorrect)
- C) IHP / BHP
- D) BHP / IHP