



18. What is indicated horse power?

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

19. Which is the engine having cylinders in 180 Degree?

- A) Inline engine
- B) Radial engine
- C) Opposed engine
- D) V- engine

20. How can identify a two stroke engine?

- A) Passages
- B) Cavities
- C) Valves
- D) Ports

21. Which engine has fuel injection pump?

- A) Petrol engine
- B) Diesel engine
- C) CRDI engine
- D) MPFI engine

22. When the valve clearance to be adjusted?

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

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

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

24. What is the volume of the space above the piston at TDC?

- A) Swept volume
- B) Displace volume
- C) Total volume
- D) Clearance volume

25. Which digit indicate the engine type in 17 digit of win number?

- A) 5 digit
- B) 8 digit
- C) 3 digit
- D) 2 digit

26. How can identify a four stroke engine?

- A) Cavities
- B) Ports
- C) Valves
- D) Passages

27. Which year Hindustan motor established ambassador car industry in India?

- A) 1980
- B) 1900
- C) 1900
- D) 1940

28. How the ports are opened and closed in two stroke engine?

- A) Movement of piston
- B) Movement of valve
- C) Movement of Rocker arm
- D) Movement piston pin

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

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

30. How many crank shaft rotation required to open exhaust valve one time in four stoke engine?

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

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

- A) Stroke
- B) Stroke
- C) Cycle
- D) Efficiency

32. How the amount of work done in a specification is called?

- A) Torque
- B) Stroke length
- C) Cycle
- D) Power

33. Where the emulsion tube is provided in solex carburetor?

- A) Main jet
- B) Idle jet
- C) Choke
- D) Cold starter

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

- A)  $IHP + BHP$
- B)  $IHP - BHP$
- C)  $BHP / IHP$
- D)  $IHP / BHP$

35. Which equipment used for quick inspection under chassis of a car?

- A) Stand
- B) Screw jack
- C) Trolley jack
- D) Two post hoist

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

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

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

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

38. What is the specification of 6J x 15?

- A) Engine size
- B) Vehicle size
- C) Tyre size
- D) Wheel rim size

39. Which is the power developed in an engine?

- A) RHP
- B) BHP
- C) IHP
- D) IHP

40. Which service equipment is used to lift a car?

- A) Hydraulic hoist
- B) Hydraulic valve
- C) Hydraulic press
- D) Arbor press

41. Where is the air fuel mixture compressed in the two stroke petrol engine?

- A) Intake port
- B) Combustion chamber
- C) Transfer port
- D) Exhaust port

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

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

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

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

44. How many times, ports are open in two rotation of crank shaft in two stroke engine?

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

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

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

46. What is the working cycle of compression ignition engine?

- A) Otto cycle
- B) Diesel cycle
- C) Rankin cycle
- D) Sterling cycle

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

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

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

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

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

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

50. What is the purpose of accelerating pump circuit?

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

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

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

52. Which engine has more length?

- A) 'V' engine
- B) Radial engine
- C) Opposed engine
- D) Inline engine

53. Which causes the air enter into cylinder?

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

54. When did first car rolled in the street of Calcutta?

- A) 1910
- B) 1950
- C) 1810
- D) 1887

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

- A) 7
- B) 6
- C) 4
- D) 5

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

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