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Score: 30/50 (60.00%)

Code: 9909

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

- A) 1810
 B) **1887 (Correct)**
 C) 1910
 D) 1950

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

- A) 1900
 B) 1900
 C) 1940
 D) **1980 (Correct)**

3. Which type of brake used in heavy vehicle parking?

- A) Hydraulic
 B) **Mechanical (Correct)**
 C) Electrical brake
 D) Pneumatic brake

4. Which ministry of India regulate the motor vehicle activity?

- A) Minister of finance
 B) Minister of defence
 C) Minister of rural and development
 D) **Minister of road transport and highways (Correct)**

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

- A) Arbor press
 B) Hydraulic valve
 C) **Hydraulic hoist (Correct)**
 D) Hydraulic press

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

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

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

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

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

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

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

- A) 2 digit
 B) 3 digit
 C) 5 digit
 D) **8 digit (Correct)**

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

- A) Torque
 B) **Power**

C) Stroke length

D) Cycle (Incorrect)

11. Which engine has more length?

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

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

- A) Inline engine
 B) V- engine
 C) **Opposed engine (Correct)**
 D) Radial engine

13. How can identify a four stroke engine?

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

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

- A) **Diesel cycle (Correct)**
 B) Otto cycle
 C) Sterling cycle
 D) Rankin cycle

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

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

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

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

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

- A) Swept volume
 B) **Clearance volume (Correct)**
 C) Total volume
 D) Displace volume

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

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

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

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

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

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

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**

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

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

32. When the valve clearance to be adjusted?

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

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

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

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

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

34. Which engine has fuel injection pump?

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

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)**

35. Which engine has carburetor?

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

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

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

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

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

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

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

28. How can identify a two stroke engine?

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

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

- A) 08:01
C) **10:01 (Correct)**
- B) 09:01
D) 11:01

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

30. Which is the power developed in an engine?

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**
D) Maximum deflection of diaphragm (Incorrect)

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

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

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

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

44. What is the purpose of accelerating pump circuit?

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

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

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

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

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

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

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

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

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

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) (Incorrect)
D) ARAI (Automotive research association of India)