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Score: 14/50 (28.00%)

Code: 7835

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

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

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

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

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

- A) Hydraulic (Incorrect)
B) **Mechanical**
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 (Incorrect)
D) **Minister of road transport and highways**

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

- A) Arbor press
B) Hydraulic valve (Incorrect)
C) **Hydraulic hoist**
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**
D) Cold starter (Incorrect)

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

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

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

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

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

- A) Torque
B) **Power (Correct)**
C) Stroke length
D) Cycle

11. Which engine has more length?

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

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

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

13. How can identify a four stroke engine?

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

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

- A) **Diesel cycle**
B) Otto cycle
C) Sterling cycle (Incorrect)
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 stoke engine?

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

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

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

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

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

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

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

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 (Incorrect) **B) Throw**
C) Dia of piston 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 (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 (Correct)** B) C.I engine
C) Turbine 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 B) Constant pressure
C) Diesel Cycle (Correct) D) Isothermal

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28. How can identify a two stroke engine?

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

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

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

34. Which engine has fuel injection pump?

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

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

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

40. Which causes the air enter into cylinder?

- A) Air filtering **B) Engine vacuum**
C) AC fuel pump pressure (Incorrect) 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 (Correct)**
- C) Size of the pumping chamber
- 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 (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
- C) Provides mixture for idle speed (Incorrect)
- 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 (Incorrect)
- B) **Viscosity**
- C) Cetane number
- 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 if South India)
- D) **ARAI (Automotive research association of India)**