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Score: 22/50 (44.00%)

Code: 1745

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 (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
 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 (Correct)**
 D) Two post hoist

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

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

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

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

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**
 C) Stroke length
 D) Cycle (Incorrect)

11. Which engine has more length?

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

13. How can identify a four stroke engine?

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

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 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 (Incorrect)
 B) **Clearance volume**
 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 (Incorrect)
 B) **Two times**
 C) Three times
 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
 D) **Combustion chamber (Correct)**

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 **B) Throw**
C) Dia of piston (Incorrect) 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
C) 290 to 390 psi (Incorrect) **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

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

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

28. How can identify a two stroke engine?

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

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

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

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

34. Which engine has fuel injection pump?

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

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

- A) Combustion B) Super charging
C) Scavenging (Correct) 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 B) Creating pressure
C) Supply correct quantity of fuel (Incorrect) **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**
- C) Size of the pumping chamber
- D) Maximum deflection of diaphragm (Incorrect)

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**
- D) Controls the air flow of the engine (Incorrect)

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 (Correct)**
- D) AC fuel pump

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

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

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