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Score: 27/50 (54.00%)

Code: 0124

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 (Correct)**
 D) Two post hoist

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 (Correct)**

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 (Correct)**

C) Stroke length

D) Cycle

11. Which engine has more length?

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

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

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

13. How can identify a four stroke engine?

- A) **Valves (Correct)**
 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 stroke engine?

- A) One (Incorrect)
 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
 B) Exhaust port

- C) Transfer port **D) Combustion chamber (Correct)**
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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
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21. What is the angle of throw for 4 cylinder engine?
 A) 60 Degree B) 90 Degree
 C) 120 Degree **D) 180 Degree (Correct)**
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22. Which is used to determine the stroke of an engine?
 A) Cycle **B) Throw**
 C) Dia of piston D) Length of connecting rod (Incorrect)
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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
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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**
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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
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26. 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
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27. A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as
 A) Constant volume B) Constant pressure (Incorrect)
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
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30. Which is the power developed in an engine?
 A) BHP **B) IHP**
C) IHP (Incorrect) D) RHP
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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**
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32. When the valve clearance to be adjusted?
A) Fully closed (Incorrect) B) Partially closed
 C) Fully opened **D) Just opened**
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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
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34. Which engine has fuel injection pump?
 A) Petrol engine **B) Diesel engine (Correct)**
 C) CRDI engine D) MPFI engine
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35. Which engine has carburetor?
A) Petrol B) Diesel (Incorrect)
 C) Kerosene D) Mineral oil
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36. What is the mechanical efficiency of an engine?
A) (BHP/IHP)x100 B) (BHP/FHP)x100 (Incorrect)
 C) (IHP/BHP)x100 D) (FHP/BHP)x100
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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
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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
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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**
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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 (Incorrect)
- B) Maximum stroke of diaphragm**
D) Maximum deflection of diaphragm

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

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

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

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

44. What is the purpose of accelerating pump circuit?

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

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

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

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

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

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

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

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

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

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)
D) **ARAI (Automotive research association of India) (Correct)**