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Loyola pvt ITI Vijayapur

Question Paper

Duration: 30 Mins

Total Marks: 50

ID: ITISKILL849479

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| Student Name: _____ | Roll No: _____ |
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1. How many times, ports are open in two rotation of crank shaft in two stroke engine?

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

2. Which causes the air enter into cylinder?

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

3. When the valve clearance to be adjusted?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

12. Which is the engine called as constant volume cycle?

- A) Steam engine B) C.I engine
C) S.I engine D) Turbine engine

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

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

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

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

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

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

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

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

17. How can identify a two stroke engine?

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

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

- A) Power
- C) Cycle

- B) Torque
- D) Stroke length

- C) Creating suction

- D) Allow the fuel to suck and deliver

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

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

20. 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
- D) 11:01

21. What is the purpose of accelerating pump circuit?

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

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

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

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

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

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

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

25. 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

26. 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 condensed water
- D) To enter air

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

- A) Creating pressure
- B) Supply correct quantity of fuel

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

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

29. Which engine has fuel injection pump?

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

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

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

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

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

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

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

33. Which engine has carburetor?

- A) Kerosene
- B) Diesel
- C) Mineral oil
- D) Petrol

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

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

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

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

36. Which engine has more length?

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

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

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

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

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

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

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

40. What is the mechanical efficiency of an engine?

- A) $(\text{BHP}/\text{IHP}) \times 100$ B) $(\text{FHP}/\text{BHP}) \times 100$
C) $(\text{IHP}/\text{BHP}) \times 100$ D) $(\text{BHP}/\text{FHP}) \times 100$

41. Which is the power developed in an engine?

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

42. What is the stroke length of the engine if its throw of the crankshaft is 40 mm?

- A) 60 mm B) 40 mm
C) 80 mm D) 20 mm

43. Which is used to determine the stroke of an engine?

- A) Cycle B) Throw
C) Length of connecting rod D) Dia of piston

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

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

45. How can identify a four stroke engine?

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

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

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

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

- A) Hydraulic B) Electrical brake
C) Pneumatic brake D) Mechanical

48. Which digit indicate the engine type in 17 digit of vin number?

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

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

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

50. Which device is vaporizing of fuel and mixing it with air in petrol engine?

- A) AC fuel pump B) Fuel filter
C) Carburetor D) Tank