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Attempt No.	#1	Completion Time	03:44 PM
Rank	#6	Total Questions	56

19 SCORE

56 MAX MARKS

19 CORRECT

37 INCORRECT

Answer Review

Q1 **INCORRECT** When did first car rolled in the street of Calcutta?

A. 1810 ☐

B. 1887 ☒

C. 1910 ☐

D. 1950 ☐

Q2 **INCORRECT** Which year Hindustan motor established ambassador car industry in India?

A. 1900 ☐

B. 1900 ☐

C. 1940 ☐

D. 1980 ☒

Q3 **INCORRECT** Which type of brake used in heavy vehicle parking?

A. Hydraulic

B. Mechanical ☐

C. Electrical brake

D. Pneumatic brake ☐

Q4 **INCORRECT** 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 ☐

Q5 **INCORRECT** Which service equipment is used to lift a car?

A. Arbor press

B. Hydraulic valve

C. Hydraulic hoist ☐

D. Hydraulic press ☐

Q6 **INCORRECT** Which equipment used for quick inspection under chassis of a car?

A. Stand ☐

B. Screw jack

C. Trolley jack ☐

D. Two post hoist

Q7 **INCORRECT** Where the emulsion tube is provided in solex carburetor?

A. Choke ☐

B. Idle jet

C. Main jet ☐

D. Cold starter

Q8 **INCORRECT** What is the specification of 6J x 15?

A. Tyre size

B. Engine size

C. Vehicle size ☐

D. Wheel rim size ☐

Q9 **CORRECT** Which digit indicate the engine type in 17 digit of vin number?

A. 2 digit

B. 3 digit

C. 5 digit

D. 8 digit ☐

Q10 **INCORRECT** How the amount of work done in a specification is called?

A. Torque ☐

B. Power ☐

C. Stroke length

D. Cycle

Q11 **INCORRECT** Which engine has more length?

A. Opposed engine ☐

B. 'V' engine

C. Inline engine ☒

D. Radial engine

Q12 **CORRECT** Which is the engine having cylinders in 180 Degree?

A. Inline engine

B. V- engine

C. Opposed engine ☒

D. Radial engine

Q13 **CORRECT** How can identify a four stroke engine?

A. Valves ☒

B. Ports

C. Cavities

D. Passages

Q14 **CORRECT** What is the working cycle of compression ignition engine?

A. Diesel cycle ☒

B. Otto cycle

C. Sterling cycle

D. Rankin cycle

Q15 **INCORRECT** How the ports are opened and closed in two stroke engine?

- A. Movement of valve
- B. Movement of Rocker arm
- C. Movement of piston ☒
- D. Movement piston pin ☐

Q16 **CORRECT** How many crank shaft rotation required to open exhaust valve one time in four stroke engine?

- A. One
- B. Two ☒
- C. Three
- D. Four

Q17 **INCORRECT** What is the volume of the space above the piston at TDC?

- A. Swept volume ☐
- B. Clearance volume ☒
- C. Total volume
- D. Displace volume

Q18 **INCORRECT** 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
- D. Four times

Q19 **CORRECT** 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 ☒

Q20 **CORRECT** How many crank shaft rotations required to get one power in four stroke single cylinder diesel engine?

A. One

B. Two ☒

C. Three

D. Four

Q21 **CORRECT** What is the angle of throw for 4 cylinder engine?

A. 60 Degree

B. 90 Degree

C. 120 Degree

D. 180 Degree ☒

Q22 **INCORRECT** Which is used to determine the stroke of an engine?

A. Cycle ☐

B. Throw ☒

C. Dia of piston

D. Length of connecting rod

Q23 **INCORRECT** 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

Q24 **INCORRECT** Which is the compression pressure of C.I engine?

A. 90 to 160 psi

B. 180 to 280 psi ☐

C. 290 to 390 psi

D. 400 to 550 psi ☒

Q25 **CORRECT** Which is the engine called as constant volume cycle?

A. S.I engine ☒

B. C.I engine

C. Turbine engine

D. Steam engine

Q26 **INCORRECT** 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 ☒

D. Isothermal

Q27 **INCORRECT** 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 ☒

D. Isothermal

Q28 **CORRECT** How can identify a two stroke engine?

A. Valves

B. Ports ☒

C. Cavities

D. Passages

Q29 **INCORRECT** 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

Q30 **CORRECT** Which is the power developed in an engine?

A. BHP

B. IHP ☒

C. IHP

D. RHP

Q31 **CORRECT** What is the stroke length of the engine if its throw of the crankshaft is 40 mm?

- A. 20 mm
- B. 40 mm
- C. 60 mm
- D. 80 mm ☒

Q32 **INCORRECT** When the valve clearance to be adjusted?

- A. Fully closed
- B. Partially closed
- C. Fully opened ☐
- D. Just opened ☒

Q33 **INCORRECT** Which is the starting system used in heavy vehicles?

- A. Electric motor cranking ☒
- B. Hand cranking ☐
- C. Gasoline engine cranking
- D. Compressed air cranking

Q34 **CORRECT** Which engine has fuel injection pump?

- A. Petrol engine
- B. Diesel engine ☒
- C. CRDI engine
- D. MPFI engine

Q35 **CORRECT** Which engine has carburetor?

A. Petrol ☒

B. Diesel

C. Kerosene

D. Mineral oil

Q36 **INCORRECT** What is the mechanical efficiency of an engine?

A. $(\text{BHP}/\text{IHP}) \times 100$ ☐

B. $(\text{BHP}/\text{FHP}) \times 100$

C. $(\text{IHP}/\text{BHP}) \times 100$ ☒

D. $(\text{FHP}/\text{BHP}) \times 100$

Q37 **CORRECT** What is the process of driving exhaust gases in two stroke engine out of cylinder?

A. Combustion

B. Super charging

C. Scavenging ☒

D. Intaking

Q38 **INCORRECT** Why suction tube in the tank is raised above?

A. To enter air

B. To avoid suction of water in fuel ☒

C. To enter condensed water

D. To act atmospheric pressure ☐

Q39 **INCORRECT** What is the purpose of valve in AC fuel pump?

- A. Creating suction ☐
- B. Creating pressure
- C. Supply correct quantity of fuel
- D. Allow the fuel to suck and deliver ☒

Q40 **INCORRECT** Which causes the air enter into cylinder?

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

Q41 **INCORRECT** 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

Q42 **CORRECT** 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

Q43 **INCORRECT** 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 ☒

Q44 **INCORRECT** 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 ☒

Q45 **CORRECT** 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

Q46 **INCORRECT** Which of the following fuel quality determines burning property of petrol?

- A. Volatility ☐
- B. Viscosity
- C. Cetane number
- D. Octane number ☒

Q47 **INCORRECT** Which of the following fuel quality determines burning property of diesel?

A. Volatility

B. Viscosity

C. Cetane number ☐

D. Octane number ☐

Q48 **INCORRECT** Which of the following fuel quality determines to evaporate?

A. Volatility ☐

B. Viscosity

C. Cetane number

D. Octane number ☐

Q49 **INCORRECT** Which of the following fuel quality determines fuel to flow?

A. Volatility ☐

B. Viscosity ☐

C. Cetane number

D. Octane number

Q50 **INCORRECT** Which association of india is playing crucial role in less pollution?

A. AAI (Automobile Association of India) ☐

B. AIA (Automotive industry Association)

C. AASI (Automobile Association if South India)

D. ARAI (Automotive research association of India) ☐

Q51 **INCORRECT** How many national automotive testing and R&D infrastructure projects (NATRIP) are established in India?

A. 4 ☐

B. 5

C. 6

D. 7 ☐

Q52 **INCORRECT** How many flywheel rotation requires to complete one cycle in two stroke engine?

A. One ☐

B. Two

C. Three

D. Four ☐

Q53 **CORRECT** What is heat?

A. Torque

B. Force

C. Energy ☐

D. Velocity

Q54 **CORRECT** What is indicated horse power?

A. Power developed in the cylinder ☐

B. Power developed in the flywheel

C. Power developed in the propeller shaft

D. Power developed in the wheel

Q55 **INCORRECT** What is brake horse power?

A. Power available at fly wheel ☐

B. Power available at the cylinder

C. Power available at the wheels ☐

D. Power available at the gear box

Q56 **INCORRECT** What is the formula for Frictional horse power (FHP)?

A. $IHP - BHP$ ☐

B. $IHP + BHP$ ☐

C. IHP / BHP

D. BHP / IHP