ITI Quiz - 04-Feb-2026 02:35 PM

Q. ID: ITISKILL849479

February 2026 | **Loyola pvt ITI Vijayapur** | Answer Key

Duration: 30 Mins | **Total Marks: 50** | **Q.ID: ITISKILL849479**

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

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

Answer: B) Always holds correct level of fuel

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

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

Answer: A) Allow the fuel to suck and deliver

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

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

Answer: D) Octane number

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

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

Answer: B) Cycle

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

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

Answer: B) Main jet

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

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

Answer: B) Diesel Cycle

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

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

Answer: A) Carburetor

8. When the valve clearance to be adjusted?

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

Answer: A) Just opened

9. Which is the power developed in an engine?

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

Answer: B) IHP

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

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

Answer: C) Electric motor cranking

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

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

Answer: C) 1887

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

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

Answer: B) Diesel cycle

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

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

Answer: D) Cetane number

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

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

Answer: A) 1980

15. What is the mechanical efficiency of an engine?

A) (BHP/FHP)x100
B) (FHP/BHP)x100
C) (BHP/IHP)x100
D) (IHP/BHP)x100

Answer: C) (BHP/IHP)x100

16. 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

Answer: B) To avoid suction of water in fuel

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

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

Answer: C) Controls air fuel mixture into the engine

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

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

Answer: B) Trolley jack

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

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

Answer: A) 180 Degree

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

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

Answer: B) S.I engine

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

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

Answer: A) Diesel Cycle

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

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

Answer: B) 400 to 550 psi

23. Which engine has more length?

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

Answer: A) Opposed engine

24. What is the purpose of accelerating pump circuit?

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

Answer: D) Provides extra fuel during pick up speed

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

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

Answer: D) Two

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

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

Answer: D) Hydraulic hoist

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

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

Answer: A) Volatility

28. Which engine has fuel injection pump?

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

Answer: A) Diesel engine

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

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

Answer: D) Viscosity

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

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

Answer: A) ARAI (Automotive research association of India)

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

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

Answer: D) 8 digit

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

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

Answer: B) Mechanical

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

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

Answer: A) Opposed engine

34. Which causes the air enter into cylinder?

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

Answer: D) Engine vacuum

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

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

Answer: A) Maximum stroke of diaphragm

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

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

Answer: B) Movement of piston

37. How can identify a four stroke engine?

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

Answer: D) Valves

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

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

Answer: C) Minister of road transport and highways

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

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

Answer: B) Scavenging

40. Which engine has carburetor?

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

Answer: D) Petrol

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

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

Answer: B) Two

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

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

Answer: D) Combustion chamber

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

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

Answer: A) Wheel rim size

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

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

Answer: B) 80 mm

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

A) Stroke length
B) Torque
C) Power
D) Cycle

Answer: C) Power

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

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

Answer: A) Throw

47. What is the compression ratio of an engine, its clearance volume is 10 c.c and swept volume is 90 c.c?

A) 11:01
B) 08:01
C) 09:01
D) 10:01

Answer: D) 10:01

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

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

Answer: B) Clearance volume

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

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

Answer: B) Two times

50. How can identify a two stroke engine?

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

Answer: B) Ports