ITI Quiz - 02-Feb-2026 03:21 PM

Q. ID: ITISKILL9091RZ

February 2026 | **Iti** | Answer Key

Duration: 30 Mins | **Total Marks: 56** | **Q.ID: ITISKILL9091RZ**

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

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

Answer: A) Diesel Cycle

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

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

Answer: C) Always holds correct level of fuel

3. What is brake horse power?

A) Power available at the wheels
B) Power available at the gear box
C) Power available at fly wheel
D) Power available at the cylinder

Answer: C) Power available at fly wheel

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

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

Answer: D) Diesel cycle

5. What is heat?

A) Energy
B) Torque
C) Velocity
D) Force

Answer: A) Energy

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

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

Answer: B) Two times

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

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

Answer: C) 8 digit

8. Which causes the air enter into cylinder?

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

Answer: D) Engine vacuum

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

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

Answer: D) 180 Degree

10. 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

Answer: C) Diesel Cycle

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

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

Answer: D) Wheel rim size

12. What is the purpose of accelerating pump circuit?

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

Answer: B) Provides extra fuel during pick up speed

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

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

Answer: A) Controls air fuel mixture into the engine

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

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

Answer: C) Volatility

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

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

Answer: B) Throw

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

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

Answer: C) Electric motor cranking

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

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

Answer: C) Main jet

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

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

Answer: A) Hydraulic hoist

19. How can identify a two stroke engine?

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

Answer: A) Ports

20. What is indicated horse power?

A) Power developed in the flywheel B) Power developed in the wheel
C) Power developed in the propeller shaft D) Power developed in the cylinder

Answer: D) Power developed in the cylinder

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

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

Answer: C) Opposed engine

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

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

Answer: C) Trolley jack

23. Why suction tube in the tank is raised above?

A) To enter air B) To enter condensed water
C) To avoid suction of water in fuel D) To act atmospheric pressure

Answer: C) To avoid suction of water in fuel

24. When the valve clearance to be adjusted?

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

Answer: A) Just opened

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

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

Answer: D) Two

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

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

Answer: A) Mechanical

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

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

Answer: A) Clearance volume

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

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

Answer: D) 400 to 550 psi

29. What is the formula for Frictional horse power (FHP)?

A) BHP / IHP B) IHP + BHP
C) IHP - BHP D) IHP / BHP

Answer: C) IHP - BHP

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

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

Answer: C) Two

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

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

Answer: B) Allow the fuel to suck and deliver

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

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

Answer: C) 1887

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

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

Answer: A) Cetane number

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

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

Answer: C) S.I engine

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

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

Answer: D) Viscosity

36. 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

37. 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 finance
D) Minister of defence

Answer: B) Minister of road transport and highways

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

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

Answer: D) Power

39. Which is the power developed in an engine?

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

Answer: A) IHP

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

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

Answer: A) Cycle

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

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

Answer: C) Movement of piston

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

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

Answer: B) 80 mm

43. How many flywheel rotation requries to compelet one cycle in two stroke engine?

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

Answer: C) One

44. Which engine has fuel injection pump?

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

Answer: C) Diesel engine

45. Which engine has more length?

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

Answer: C) Opposed engine

46. How can identify a four stroke engine?

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

Answer: A) Valves

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

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

Answer: C) Combustion chamber

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

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

Answer: A) Octane number

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

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

Answer: C) 1980

50. Which engine has carburetor?

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

Answer: A) Petrol

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

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

Answer: C) Scavenging

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

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

Answer: C) 10:01

53. What is the mechanical efficiency of an engine?

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

Answer: A) (BHP/IHP)x100

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

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

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

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

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

Answer: B) Carburetor

56. How many national automotive testing and R&D infrastructure projects (NATRIP) are established in India?

A) 7
B) 4
C) 5
D) 6

Answer: A) 7