Monthly test January

ITI Quiz - 02-Feb-2026 08:56 AM

Q. ID: ITISKILL67657R

January 2026

Trinity iti

Answer Key

Duration: 60 Mins **Total Marks: 56** **Q.ID: ITISKILL67657R**

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

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

Answer: A) 1980

2. 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

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

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

Answer: C) 80 mm

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

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

Answer: D) Carburetor

5. 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)

6. Which engine has more length?

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

Answer: B) Opposed engine

7. Which engine has fuel injection pump?

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

Answer: A) Diesel engine

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

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

Answer: B) Viscosity

9. When the valve clearance to be adjusted?

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

Answer: C) Just opened

10. 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) 10:01
C) 11:01 D) 09:01

Answer: B) 10:01

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

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

Answer: A) Throw

12. How can identify a two stroke engine?

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

Answer: B) Ports

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

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

Answer: B) To avoid suction of water in fuel

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

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

Answer: D) Allow the fuel to suck and deliver

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

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

Answer: C) IHP - BHP

16. How many flywheel rotation requries to compelet one

cycle in two stroke engine?

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

Answer: C) One

17. 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

18. How can identify a four stroke engine?

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

Answer: D) Valves

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

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

Answer: B) Two

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

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

Answer: B) Electric motor cranking

21. What is brake horse power?

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

Answer: D) Power available at fly wheel

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

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

Answer: D) Hydraulic hoist

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

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

Answer: D) S.I engine

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

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

Answer: C) 1887

25. 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

26. Which is the power developed in an engine?

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

Answer: A) IHP

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

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

Answer: C) 180 Degree

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

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

Answer: D) Trolley jack

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

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

Answer: D) Cetane number

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

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

Answer: B) Opposed engine

31. What is heat?

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

Answer: B) Energy

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

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

Answer: B) 7

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

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

Answer: D) Volatility

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

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

Answer: D) 8 digit

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

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

Answer: C) Main jet

36. Which causes the air enter into cylinder?

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

Answer: C) Engine vacuum

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

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

Answer: B) Minister of road transport and highways

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

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

Answer: B) Always holds correct level of fuel

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

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

Answer: D) Power

40. What is indicated horse power?

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

Answer: C) Power developed in the cylinder

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

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

Answer: A) Two

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

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

Answer: D) Scavenging

43. 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

44. 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

45. What is the mechanical efficiency of an engine?

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

Answer: D) (BHP/IHP)x100

46. Which engine has carburetor?

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

Answer: D) Petrol

47. What is the purpose of accelerating pump circuit?

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

Answer: D) Provides extra fuel during pick up speed

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

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

Answer: B) Two times

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

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

Answer: C) Mechanical

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

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

Answer: D) Maximum stroke of diaphragm

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

A) Isothermal
B) Constant volume

C) Constant pressure D) Diesel Cycle

Answer: D) Diesel Cycle

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

A) Excess supply of fuel at idle B) Always holds correct fuel

C) Filter the fuel D) Controls air fuel mixture into the engine

Answer: D) Controls air fuel mixture into the engine

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

A) Diesel cycle B) Sterling cycle

C) Otto cycle D) Rankin cycle

Answer: A) Diesel cycle

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

A) Intake port B) Combustion chamber

C) Transfer port D) Exhaust port

Answer: B) Combustion chamber

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

A) Swept volume B) Total volume

C) Displace volume D) Clearance volume

Answer: D) Clearance volume

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

A) Constant pressure B) Isothermal

C) Diesel Cycle D) Constant volume

Answer: C) Diesel Cycle