# PROVISIONAL ANSWER KEY

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Question1:-Density of a fluid is defined as

A:-Weight per unit volume

B:-Weight per unit mass

C:-Volume per unit mass

D:-Mass per unit volume

Correct Answer:- Option-D

Question2:-Specific volume is the reciprocal of

A:-Specific gravity

B:-Density

C:-Viscosity

D:-Surface tension

Correct Answer:- Option-B

Question3:-The continuity equation is based on the law of conservation of

A:-Mass

B:-Momentum

C:-Energy

D:-Pressure

Correct Answer:- Option-A

Question4:-Chezy’s formula is mainly used for calculating velocity in

A:-Closed pipes

B:-Hydraulic presses

C:-Venturimeters

D:-Open channels

Correct Answer:- Option-D

Question5:-Which of the following is a dynamic pump ?

A:-Reciprocating pump

B:-Gear pump

C:-Centrifugal pump

D:-Piston pump

Correct Answer:- Option-C

Question6:-The overall efficiency of a pump is the ratio of

A:-Output hydraulic power to input mechanical power

B:-Mechanical power to electrical power

C:-Pressure head to velocity head

D:-Discharge to speed

Correct Answer:- Option-A

Question7:-A U-tube Manometer works on

A:-Pascal’s law

B:-Bernoulli’s principle

C:-Boyle’s law

D:-Hydrostatic law

Correct Answer:- Option-D

Question8:-According to Newton’s law of viscosity, shear stress is directly proportional to

A:-Pressure gradient

B:-Density gradient

C:-Velocity gradient

D:-Temperature gradient

Correct Answer:- Option-C

Question9:-A Venturimeter works on the principle of

A:-Bernoulli’s theorem

B:-Pascal’s law

C:-Continuity equation only

D:-Hydrostatic law

Correct Answer:- Option-A

Question10:-Demulsibility is the property of oil to

A:-Mix easily with water

B:-Separate water quickly

C:-Prevent rust

D:-Resist oxidation

Correct Answer:- Option-B

Question11:-Centrifugal Pump works on the principle of

A:-Pascal’s law

B:-Bernoulli’s theorem

C:-Forced vortex flow

D:-Continuity equation

Correct Answer:- Option-C

Question12:-Reaction Turbine works on

A:-Pure kinetic energy

B:-Pressure energy and kinetic energy conversion

C:-Slip principle

D:-Continuity equation only

Correct Answer:- Option-B

Question13:-Which law of thermodynamics is used to measure the temperature ?

A:-First law of thermodynamics

B:-Second law of thermodynamics

C:-Third law of thermodynamics

D:-Zeroth law of thermodynamics

Correct Answer:- Option-D

Question14:-In a constant volume process the PVT relation will be

A:-$\frac{P_1}{T_1}=\frac{P_2}{T_2}$

B:-$\frac{V_1}{T_1}=\frac{V_2}{T_2}$

C:-PV = mRT

D:-$P_1V_1 = P_1V_2$

Correct Answer:- Option-A

Question15:-The Second Law of Thermodynamics defines which of the following properties of a system ?

A:-Enthalpy

B:-Entropy

C:-Temperature

D:-Work done

Correct Answer:- Option-B

Question16:-Thermal efficiency of two stroke engine is less than of four stroke engine due to following reasons

A:-Two-stroke engines have a lower compression ratio than four-stroke engines

B:-Two-stroke engines have a higher compression ratio than four-stroke engines

C:-Two-stroke engines have no power stroke

D:-Two-stroke engines consume no fuel during scavenging

Correct Answer:- Option-A

Question17:-The ratio of Brake power to Indicated power of an engine is called

A:-Overall efficiency

B:-Mechanical efficiency

C:-Indicated thermal efficiency

D:-Brake thermal efficiency

Correct Answer:- Option-B

Question18:-Morse test is used to find the indicated power of following engines

A:-2 stroke engines

B:-4 stroke engines

C:-Multi cylinder engines

D:-Single cylinder engines

Correct Answer:- Option-C

Question19:-The mechanism used to find the Brake Power of an engine.

A:-Indicator

B:-Dynamometer

C:-Manometer

D:-Calorimeter

Correct Answer:- Option-B

Question20:-Stalling is related to following compressors

A:-Reciprocating compressor

B:-Rotary screw compressor

C:-Vane blower compressor

D:-Axial flow compressor

Correct Answer:- Option-D

Question21:-Radiator of a car works based on the following mode of heat transfer

A:-Conduction

B:-Forced convection

C:-Free convection

D:-Radiation

Correct Answer:- Option-B

Question22:-Unit of thermal conductivity.

A:-W/m $\cdot$K

B:-W/m$^2$ $\cdot$K

C:-J/kg$\cdot$K

D:-W$\cdot$m/K

Correct Answer:- Option-A

Question23:-Which of the following are the correct assumptions made in Fourier's Law of heat conduction ?
1) The heat flow is unidirectional.
2) The conduction of heat takes place in steady state condition.
3) There is internal heat generation.

A:-Option 1, 2 and 3 are correct

B:-Option 1, 2 are correct 3 is wrong

C:-Option 1, 2 and 3 are wrong

D:-Option 2 and 3 are correct

Correct Answer:- Option-B

Question24:-In a diesel engine, the process of fuel injection occurs approximately under which thermodynamic condition ?

A:-Constant pressure process

B:-Constant volume process

C:-Constant temperature process

D:-Constant entropy process

Correct Answer:- Option-A

Question25:-Which of the following is a type of stress ?

A:-Tensile stress

B:-Velocity stress

C:-Energy stress

D:-Pressure stress

Correct Answer:- Option-A

Question26:-Poisson’s ratio is the ratio of

A:-Longitudinal strain to stress

B:-Lateral strain to longitudinal strain

C:-Stress to strain

D:-Shear stress to shear strain

Correct Answer:- Option-B

Question27:-According to Hooke’s Law, within the elastic limit

A:-Stress is inversely proportional to strain

B:-Stress is proportional to strain

C:-Stress is proportional to load only

D:-Strain is constant

Correct Answer:- Option-B

Question28:-Which modulus is the ratio of normal stress to longitudinal strain ?

A:-Bulk Modulus

B:-Modulus of Rigidity

C:-Young's Modulus

D:-Elastic Modulus of Volume

Correct Answer:- Option-C

Question29:-Which beam is fixed at one end and free at the other ?

A:-Simply supported beam

B:-Continuous beam

C:-Cantilever beam

D:-Overhanging beam

Correct Answer:- Option-C

Question30:-The point beyond which a material undergoes permanent deformation is called

A:-Elastic limit

B:-Ultimate stress

C:-Working stress

D:-Factor of safety

Correct Answer:- Option-A

Question31:-Thermal stress is developed in a member when

A:-Temperature changes and expansion/contraction is restrained

B:-Temperature remains constant

C:-Load is removed suddenly

D:-Friction acts on the surface

Correct Answer:- Option-A

Question32:-The force acting tangentially to a surface per unit area is known as

A:-Tensile stress

B:-Compressive stress

C:-Shear stress

D:-Bulk stress

Correct Answer:- Option-C

Question33:-The bending moment at the free end of a cantilever beam carrying a point load at the free end is

A:-Maximum

B:-Minimum

C:-Zero

D:-Infinite

Correct Answer:- Option-C

Question34:-Which of the following is a type of riveted joint ?

A:-Lap joint

B:-Tee joint

C:-Corner joint

D:-Edge joint

Correct Answer:- Option-A

Question35:-The relationship among Young's Modulus (E), Bulk Modulus (K), and Poisson's Ratio ($\mu$) is

A:-$E = 3K (1 - 2\mu)$

B:-$E = K (1 + \mu)$

C:-$E = 2K (1 - \mu)$

D:-$E = 3K (1 + \mu)$

Correct Answer:- Option-A

Question36:-The efficiency of a riveted joint is defined as

A:-Strength of rivet / Strength of plate × 100

B:-Strength of solid plate / Strength of riveted joint × 100

C:-Strength of riveted joint / Strength of solid plate × 100

D:-Number of rivets / Pitch × 100

Correct Answer:- Option-C

Question37:-What is the primary function of a bearing ?

A:-To increase speed

B:-To reduce friction between moving parts

C:-To generate power

D:-To store energy

Correct Answer:- Option-B

Question38:-Which bearing is mainly used to support axial loads ?

A:-Radial bearing

B:-Journal bearing

C:-Thrust bearing

D:-Sliding bearing

Correct Answer:- Option-C

Question39:-Which of the following is a rolling contact bearing ?

A:-Journal bearing

B:-Ball bearing

C:-Footstep bearing

D:-
Sleeve bearing

Correct Answer:- Option-B

Question40:-What is the main function of a governor in an engine ?

A:-Store energy

B:-Control engine speed under varying loads

C:-Reduce friction

D:-Increase torque

Correct Answer:- Option-B

Question41:-Which material contains more than 2% carbon ?

A:-Mild steel

B:-Alloy steel

C:-
Cast iron

D:-
Stainless steel

Correct Answer:- Option-C

Question42:-The bearing characteristic number is the ratio of

A:-Load to speed

B:-(Viscosity × Speed) / Pressure

C:-Pressure × Speed

D:-Load × Speed

Correct Answer:- Option-B

Question43:-The difference between the maximum and minimum speed during a cycle is known as

A:-
Mean speed

B:-Equilibrium speed

C:-Fluctuation of speed

D:-Hunting

Correct Answer:- Option-C

Question44:-In a simple gear drive, the velocity ratio is equal to

A:-Speed of driver / Speed of driven

B:-Number of teeth on driver / Number of teeth on driven

C:-Torque of driver / Torque of driven

D:-Pitch circle diameter of driver / Pitch circle diameter of driven

Correct Answer:- Option-A

Question45:-Which of the following is a boiler mounting ?

A:-Economiser

B:-Superheater

C:-Safety valve

D:-Air preheater

Correct Answer:- Option-C

Question46:-Which heat treatment process is mainly used to soften steel and improve machinability ?

A:-Hardening

B:-Annealing

C:-Tempering

D:-Case hardening

Correct Answer:- Option-B

Question47:-A governor is said to be stable when

A:-All equilibrium speeds are equal

B:-
The radius of rotation decreases as speed increases

C:-For every speed within the working range, there is only one radius of rotation and the radius increases with speed

D:-The sleeve remains stationary at all speeds

Correct Answer:- Option-C

Question48:-The coefficient of fluctuation of speed is defined as

A:-
$(N_{max} + N_{min}) / N_{mean}$

B:-
$(N_{max} - N_{min}) / N_{mean}$

C:-
$N_{mean} / (N_{max} - N_{min})$

D:-
$(N_{max} - N_{min}) / (N_{max} + N_{min})$

Correct Answer:- Option-B

Question49:-Which of the following alloy steels is commonly used for making cutting tools due to its high hardness and wear resistance ?

A:-Nickel steel

B:-
Chromium steel

C:-
High-speed steel (HSS)

D:-Silicon steel

Correct Answer:- Option-C

Question50:-The amount of fuel delivered by the injector depends upon

A:-Pressure acting on the injector

B:-Size of injector nozzle

C:-
Length of time injector is open

D:-All of the above

Correct Answer:- Option-D

Question51:-Which of the following is correct about F head engine ?

A:-
Both inlet and exhaust valves are at one side of the cylinder

B:-
Inlet and exhaust valves are fitted at opposite sides of the cylinder

C:-
Inlet valve is fitted as an overhead valve and the exhaust as a side valve

D:-
Both inlet and exhaust valves are fitted over the top of the cylinder

Correct Answer:- Option-C

Question52:-Which of the following is incorrect about antifreeze solution ?

A:-The most commonly used antifreeze agent is ethylene glycol

B:-Antifreeze solution has higher freezing point than water

C:-Antifreeze solution has higher boiling point than water

D:-Antifreeze solution has lower freezing point than water

Correct Answer:- Option-B

Question53:-_____ supports the valves and prevent them from moving in any direction other than up and down.

A:-
Valve seat

B:-
Valve guide

C:-
Valve spring

D:-Valve stem

Correct Answer:- Option-B

Question54:-Which of the following is incorrect about thermostat valve ?

A:-It permits slow engine warm-up

B:-It is located on the top and front of an engine

C:-It prevents the coolant from moving too quickly through the engine

D:-It controls the amount of coolant entering the radiator

Correct Answer:- Option-A

Question55:-Which component of an engine controls the fluctuations in engine speed due to changes of load ?

A:-Fuel injection pump

B:-Fly wheel

C:-
Crank shaft

D:-Governor

Correct Answer:- Option-D

Question56:-Which of the following is not a part of diesel fuel injector ?

A:-Spindle

B:-Spring

C:-Rack

D:-Adjusting screw

Correct Answer:- Option-C

Question57:-The drive for A.C. mechanical fuel pump is taken from

A:-Camshaft

B:-Crankshaft

C:-Distributor shaft

D:-None of the above

Correct Answer:- Option-A

Question58:-
Which of the following statement is / are correct about engine cooling system ?
(i) Radiator transfers heat from engine to the air.
(ii) Inlet of the water pump connects to the radiator.
(iii) Water pump is driven by the crankshaft.

A:-All of these (i , ii and iii)

B:-
Only (i and iii)

C:-
Only (i and ii)

D:-
Only (ii and iii)

Correct Answer:- Option-A

Question59:-In a distributor type fuel injection pump, _____ helps to advance fuel injection timing.

A:-
Reduce the speed of rotor

B:-Rotate the roller ring

C:-Increase the plunger stroke

D:-Increase the number of cams on the ring

Correct Answer:- Option-B

Question60:-Which of the following is commonly used as catalyst material in catalytic converter ?

A:-Platinum

B:-Alumina

C:-Ammonia

D:-Silver

Correct Answer:- Option-A

Question61:-The small hole present on the body of a pintaux nozzle is known as

A:-Main hole

B:-Auxiliary hole

C:-Idle hole

D:-Throttle hole

Correct Answer:- Option-B

Question62:-Which of the following is incorrect about turbocharger ?

A:-It is a centrifugal air pump driven by exhaust gases

B:-
It’s compressor and turbine spin at different speeds

C:-The pressurised air from turbocharger is cooled by an intercooler

D:-
It requires adequate lubrication

Correct Answer:- Option-B

Question63:-In a full-forward, Control chassis, the engine is mounted

A:-In front of the driver’s cabin

B:-Half inside and half outside the driver’s cabin

C:-Completely inside the driver’s cabin

D:-Completely behind the driver’s cabin

Correct Answer:- Option-C

Question64:-The sub-frame is further supported by the main frame at

A:-Two points

B:-Three points

C:-Four points

D:-Five points

Correct Answer:- Option-B

Question65:-In suspension terminology “JOUNCE” is also known as

A:-Rebound

B:-Compression

C:-Expansion

D:-Oscillation

Correct Answer:- Option-B

Question66:-Spring rate is defined as the load required to

A:-Increase spring length

B:-Break the spring

C:-
Move a spring a specified distance

D:-
Reduce spring weight

Correct Answer:- Option-C

Question67:-_____ Provides a pivoting joint that attaches the steering knuckle to the control arm.

A:-King pin

B:-Tension strut

C:-Bushing

D:-Ball joint

Correct Answer:- Option-D

Question68:-Ackermann steering mechanism consists of

A:-Sliding pairs only

B:-Turning pairs only

C:-Sliding and Turning pairs

D:-Screw pairs

Correct Answer:- Option-B

Question69:-A steering system with a large gear ratio is generally

A:-More responsive

B:-
Less responsive

C:-
Unaffected in response

D:-
Faster in operation

Correct Answer:- Option-B

Question70:-The upper and lower shafts in a collapsible steering column are connected using.

A:-Rivets

B:-Shear pins

C:-Cotter pins

D:-Bearings

Correct Answer:- Option-B

Question71:-Steering axis inclination is also known as

A:-
Camber angle

B:-
Toe-in angle

C:-King pin angle

D:-Slip angle

Correct Answer:- Option-C

Question72:-The two basic types of brake calipers are

A:-
Internal and External

B:-Hydraulic and Pneumatic

C:-
Fixed and Floating

D:-Mechanical and Hydraulic

Correct Answer:- Option-C

Question73:-
The residual pressure in brake lines prevents

A:-
Tyre wear

B:-Air from entering the wheel cylinders

C:-
Brake overheating

D:-Wheel lock-up

Correct Answer:- Option-B

Question74:-Wheel setback is defined as the

A:-
Difference in tyre pressure between wheels

B:-
Difference in vehicle wheel base from one side to the other

C:-
Difference in camber angle between front wheels

D:-
Difference in toe angle between rear wheels

Correct Answer:- Option-B

Question75:-
The following statement is/are correct regarding the grooves on both sides of the friction disc clutch facing.
(i) to prevent the facing from sticking to the flywheel face and pressure plate when the clutch disengages.
(ii) it allows the facing to sticking to the flywheel and pressure plate when the clutch disengages.
(iii) it allows the facing to sticking to the flywheel and pressure plate when the clutch engages.

A:-
Only (i)

B:-
Only (iii)

C:-
Only (ii)

D:-
Both (ii and iii)

Correct Answer:- Option-A

Question76:-
When considering a synchromesh gearbox, which of the following statements is/are correct regarding a synchronizing hub ?
(i) The synchroniser hub is splined to the transmission output shaft.
(ii) The synchroniser hub has external splines.
(iii) The shift fork fit into the grooves in the synchroniser hub.

A:-Only (i)

B:-Both (i and ii)

C:-
Only (ii)

D:-
All of the above (i, ii and iii)

Correct Answer:- Option-B

Question77:-
In a torque tube type rear axle drive, which of the following is/are correct ?
(i) The spring takes the weight of the body.
(ii) The torque tube takes the weight of the body.
(iii) The braking torque is taken by the spring.
(iv) The driving thrust is taken by the spring.

A:-Only (iv)

B:-Both (iii and iv)

C:-Both (ii and iii)

D:-Only (i)

Correct Answer:- Option-D

Question78:-
Some front wheel drive car has noticeable torque steer tendency, which causes to
(i) pull the car towards the side with the shorter half shaft.
(ii) Change the caster angle.
(iii) pull the car towards the side with the longer half shaft.

A:-
Only (iii)

B:-
Both (i and ii)

C:-
Only (i)

D:-
Only (ii)

Correct Answer:- Option-A

Question79:-
Which of the following statement is /are true about inset wheels ?
(i) The centre line of the rim coincident with the attachment face of the disc.
(ii) The centre line of the rim is located outboard of the attachment face of the disc.
(iii) The centre line of the rim is located inboard of the attachment face of the disc.
(iv) The centre line of the rim tangent to the attachment face of disc.

A:-Only (ii)

B:-
Only (iii)

C:-
Both (i and iii)

D:-
Both (ii and iv)

Correct Answer:- Option-B

Question80:-
The purpose of sipes moulded into the ribs of tyre is/are
(i) the hole which accommodates the valve for tyre inflation.
(ii) the basic structure taking loads.
(iii) to increase the traction ability.
(iv) to provide radial support to the tyre.

A:-Only (i)

B:-
Only (ii)

C:-
Both (i and iv)

D:-
Only (iii)

Correct Answer:- Option-D

Question81:-
Which of the following statement is/are false about the torque converter ?
(i) pump impeller coupled to the driving shaft.
(ii) turbine runner coupled to the driver shaft.
(iii) turbine runner coupled to the driven shaft.
(iv) pump impeller coupled to the driven shaft.

A:-Only (i)

B:-
Both (iii and iv)

C:-
Both (ii and iv)

D:-
Both (iii and i)

Correct Answer:- Option-C

Question82:-
While starting, which of the following solenoid windings is/are deactivated in a starter motor when the plunger disc makes contact with the solenoid terminals ?
(i) Push - down winding
(ii) Hold - in winding
(iii) Pull - in winding
(iv) Push - in winding

A:-
Both (i and ii)

B:-
Both (ii and iv)

C:-
Only (iv)

D:-
Only (iii)

Correct Answer:- Option-D

Question83:-
In an electronic regulation system, the voltage output of an automobile alternator is controlled by varying.
(i) the armature current through the stator.
(ii) the field current through the rotor.
(iii) the current through shunt winding in the Cut-out relay.
(iv) the third brush control system.

A:-
Only (i)

B:-
Only (ii)

C:-
Both (iii and iv)

D:-
Both (i and iii)

Correct Answer:- Option-B

Question84:-
The critical voltage required to produce a spark across the electrodes of a sparkplug separated by a fuel charge is called
(i) Pick-up voltage.
(ii) Low tension voltage.
(iii) Breakdown voltage.
(iv) Kick-off voltage

A:-Only (i)

B:-
Only (iv)

C:-Only (iii)

D:-
Either (i) or (iv)

Correct Answer:- Option-C

Question85:-
Which of the following factors is/are considered when deciding the firing order of a multi-cylinder internal combustion engine ?
(i) Engine vibration.
(ii) Engine cooling.
(iii) Development of back pressure.

A:-
Only (ii)

B:-
All of the (i, ii and iii)

C:-
Both (i and ii)

D:-
Only (iii)

Correct Answer:- Option-B

Question86:-
Which of the following is/are the advantages of a distributor less ignition system over a distributor type ignition system ?
(i) Decreased available time for coil saturation.
(ii) Elimination of mechanical timing adjustment.
(iii) Reduced radio frequency interference.
(iv) Decreased time between firings.

A:-
Both (i and iv)

B:-
Only (ii)

C:-
Both (ii and iii)

D:-
All of the (i, ii, iii and iv)

Correct Answer:- Option-C

Question87:-
The resistance that a material offers to pass the magnetic flux lines is called
(i) impedance
(ii) reactants
(iii) reluctance
(iv) capacitance.

A:-
Only (iii)

B:-
Only (i)

C:-
Either (iv) or (i)

D:-
Only (iv)

Correct Answer:- Option-A

Question88:-
Which type of motor insurance policy is compulsory by law for every vehicle using a public road in India ?

A:-
Comprehensive policy

B:-
Own damage policy

C:-
Third party liability policy

D:-
Zero depreciation policy

Correct Answer:- Option-C

Question89:-
The minimum distance required by a driver to bring the vehicle to a rest after sighting an object on the road is called

A:-
Overtaking Sight Distance

B:-Head-light Sight Distance

C:-
Intermediate Sight Distance

D:-
Stopping Sight Distance

Correct Answer:- Option-D

Question90:-
Super elevation is provided on a road surface mainly to

A:-
Increase the speed of vehicles

B:-
Counteract centrifugal force on curves

C:-
Reduce the road width

D:-
Drain rain water from the road surface

Correct Answer:- Option-B

Question91:-In motor insurance, the Insured Declared Value of a vehicle represents the

A:-
Present market value taken as the maximum claim amount

B:-
Original purchase price of the vehicle

C:-Yearly insurance premium to be paid

D:-
Value of the vehicle during selling

Correct Answer:- Option-A

Question92:-In a Multi-Point Injection system, the component that acts as the brain and controls the quantity and timing of fuel is the

A:-
Fuel pump

B:-Electronic Fuel Injector

C:-
Fuel filter

D:-
Electronic Control Module

Correct Answer:- Option-D

Question93:-A major advantage of the Common Rail Diesel Injection system is that the fuel injection pressure is

A:-
High and almost independent of engine speed

B:-
Very low and varies with engine load

C:-
Controlled mechanically by the accelerator pedal

D:-
Always equal to the compression pressure

Correct Answer:- Option-A

Question94:-
The oxygen ($O_2$) sensor fitted in the exhaust pipe sends a feedback signal to the Electronic Control Module to

A:-
Measure the engine exhaust gas pressure

B:-Indicate the level of exhaust gas recirculation

C:-
Control the exhaust gas temperature

D:-Keep the air-fuel ratio near the stoichiometric value

Correct Answer:- Option-D

Question95:-
In a diesel engine, the emission of dense black smoke from the exhaust generally indicates

A:-Too much air and too little fuel

B:-The engine running too cold only

C:-
Incomplete combustion due to excess fuel

D:-
Excess engine oil in the fuel tank

Correct Answer:- Option-C

Question96:-
The Positive Crankcase Ventilation system mainly controls the emission of

A:-
Oxides of nitrogen in crankcase blow-by gases

B:-
Carbon dioxide from the blow-by gases

C:-
Unburnt hydrocarbons present

D:-Fuel vapours trapped in the crank case

Correct Answer:- Option-C

Question97:-
A three-way catalytic converter is so named because it simultaneously controls which three pollutants ?

A:-CO, HC and $NO_x$

B:-
$CO_2$, $H_2O$ and $N_2$

C:-Lead, HC and water

D:-Sulphur, $CO_2$ and $NO_x$

Correct Answer:- Option-A

Question98:-In a vehicle restraint system, the air bag is deployed by a signal received from the

A:-
Electronic Stability Programme

B:-
Impact sensor

C:-
Crash protection sensor

D:-Wheel speed sensor of ABS

Correct Answer:- Option-B

Question99:-
A vehicle immobilizer is an anti-theft device that

A:-
Locks the steering wheel

B:-Prevents the engine from starting unless the correct transponder is used

C:-
Sounds a horn when the vehicle is touched hard

D:-
Helps to identify the parked vehicle

Correct Answer:- Option-B

Question100:-
In a series hybrid electric vehicle, the power flow arrangement is such that

A:-
Either the engine or the electric motor drives the wheels

B:-The wheels are driven by the engine which is supported by electric motor

C:-
The battery powers the electric motor which drives the wheels

D:-The engine drives a generator and the electric motor drives the wheels

Correct Answer:- Option-D