

PROVISIONAL ANSWER KEY

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Question1:-The part or parts of a road normally used by vehicular traffic, whether separated from one another by a dividing strip or a difference of level or not is

A:-Intersection

B:-Construction zone

C:-Carriageway

D:-Major Road

Correct Answer:- Option-C

Question2:-The child up to what age is seated in an appropriate child restraint system?

A:-10 years

B:-12 years

C:-15 years

D:-18 years

Correct Answer:- Option-B

Question3:-If a technical defect is discovered in a vehicle while it is being driven, the driver shall

A:-Stop the vehicle on the road

B:-Drive the vehicle to the nearest workshop

C:-Proceed the journey

D:-Take the vehicle off the road in the quickest possible manner

Correct Answer:- Option-D

Question4:-The number of persons a driver of the tractor can carry on the tractor

A:-No person

B:-1

C:-2

D:-3

Correct Answer:- Option-A

Question5:-The driver facing the "STOP" sign displayed on the road shall

A:-Stop before crossing the transverse "STOP" line preceding the "STOP" sign

B:-Give way to traffic on the major road

C:-Enter the major road only when the way ahead is clear

D:-All the above

Correct Answer:- Option-D

Question6:-The maximum speed while towing a vehicle shall not exceed

A:-15 kilometres per hour

B:-20 kilometres per hour

C:-25 kilometres per hour

D:-40 kilometres per hour

Correct Answer:- Option-C

Question7:-The priority within the emergency vehicles shall be

A:-Ambulance, Fire Service Vehicle, Police Service Vehicle

B:-Fire Service Vehicle, Police Service Vehicle, Ambulance

C:-Police Service Vehicle, Ambulance, Fire Service Vehicle

D:-Fire Service Vehicle, Ambulance, Police Service vehicle

Correct Answer:- Option-D

Question8:-Road user means

A:-Person driving on the road

B:-Person travelling on the road

C:-A pedestrian

D:-All the above

Correct Answer:- Option-D

Question9:-A vehicle shall not be parked on a main road or at a stretch of a road where the notified maximum speed limit is

A:-Fifty kilometres per hour or more

B:-Forty kilometres per hour or more

C:-Thirty kilometres per hour or more

D:-Twenty five kilometres per hour or more

Correct Answer:- Option-A

Question10:-On mountain roads and steep roads, where the road is not sufficiently wide to allow the motor vehicles to cross each other freely, the driver travelling downhill shall

A:-Stop the vehicle on the left side of the road

B:-Allow the vehicle proceeding uphill to pass first

C:-Both 1 and 2

D:-Neither 1 nor 2

Correct Answer:- Option-C

Question11:-No person shall be granted a license to drive transport vehicle in any public place unless completing the age of

A:-21 year

B:-18 year

C:-20 year

D:-25 year

Correct Answer:- Option-C

Question12:-A transport vehicle shall not be deemed to be validly registered under the Motor Vehicles Act, unless it carries a valid

A:-Permit

B:-Insurance

C:-PUC certificate

D:-Certificate of Fitness

Correct Answer:- Option-D

Question13:-In respect of any vehicle, the total weight of the vehicle and the load certified and registered by the registering authority as permissible for that vehicle is

A:-Axle weight

B:-Unladen weight

C:-Gross vehicle weight

D:-Registered Axle weight

Correct Answer:- Option-C

Question14:-License to drive a transport vehicle be effective for a period of

A:-Two years

B:-Five years

C:-Three years

D:-One year

Correct Answer:- Option-B

Question15:-When a motor vehicle registered in one State has been kept in another State, for a period exceeding _____ months, the owner shall apply for new registration to the registering authority, within whose jurisdiction the vehicle is then.

A:-1

B:-3

C:-6

D:-12

Correct Answer:- Option-D

Question16:-A permit other than a temporary permit or a special permit shall be effective for a period of

A:-5 years

B:-2 years

C:-3 years

D:-1 year

Correct Answer:- Option-A

Question17:-The maximum fine a Judicial Court awards for violating provisions of section 129 (Penalty for not wearing protective head gear-section 194D)

A:-Rs. 500

B:-Rs. 1,000

C:-Rs. 250

D:-Rs. 100

Correct Answer:- Option-B

Question18:-Which of the following vehicles require installation of Speed limiting device/Speed Governor.

A:-Fire tender

B:-Ambulance

C:-Contract carriage

D:-All the above

Correct Answer:- Option-C

Question19:-Officer authorized to seize and detain that vehicle and make necessary arrangements for the safe custody of that vehicle for non payment of tax

A:-Any officer of the Motor Vehicles Department not below the rank of Assistant Motor Vehicles Inspector

B:-Any Police Officer not below the rank of Sub-Inspector

C:-Both 1 and 2

D:-Neither 1 nor 2

Correct Answer:- Option-C

Question20:-If a transport vehicles registered in any State or Union Territories other than the State of Kerala and found operating in the State of Kerala without remitting tax due to Kerala, the tax shall be levied

A:-Same amount specified in the schedule

B:-Double the amount specified in the schedule

C:- $1\frac{1}{2}$ times the amount specified in the schedule

D:-4 times the amount specified in the schedule

Correct Answer:- Option-B



Question21:-

What does this Traffic sign indicate?

A:-Do not drive on the highway

B:-Overtake on the left side

C:-Do not overtake

D:-Indicates one-way traffic

Correct Answer:- Option-C

Question22:-What does this traffic sign indicate?



A:-
meters

The width of the vehicle should not exceed three and a half

B:-The height of the vehicle should not exceed three and a half meters

C:-The length of the vehicle should not exceed three and a half meters

D:-All of the above

Correct Answer:- Option-B



Question23:-

What does this traffic sign indicate?

A:-Parking is prohibited

B:-Do not overtake

C:-No entry

D:-Go fast

Correct Answer:- Option-C



Question24:-

What does this traffic sign indicate?

A:-Left hand pin bend

B:-Do not overtake on the left side

C:-No left turn

D:-One way traffic

Correct Answer:- Option-D



Question25:-

What does this traffic sign indicate?

A:-Level crossing with barrier ahead

B:-Place where heavy vehicles should pass

C:-All motor vehicles prohibited

D:-None of the above

Correct Answer:- Option-C



Question26:- What does this traffic sign indicate?

A:-Narrow bridge

B:-Gap in median

C:-Side road ahead

D:-Left and right hand curve

Correct Answer:- Option-A



Question27:- What does this traffic sign mean?

A:-Cycling is prohibited

B:-Cycle lane

C:-Cycle crossing

D:-Bicycle parking space

Correct Answer:- Option-B



Question28:- What does this traffic sign mean?

A:-School ahead

B:-Pedestrian crossing

C:-Men at work

D:-No pedestrians

Correct Answer:- Option-A



Question29:- Which category does this traffic sign belong to?

A:-Cautionary

B:-Mandatory

C:-Informatory

D:-None of the above

Correct Answer:- Option-B



Question30:- What does this traffic sign indicate?

A:-Narrow bridge

B:-Side road ahead

C:-Narrow road

D:-Road widens

Correct Answer:- Option-D

Question31:-What is meant by the dotted line and the solid line coming together in the middle of the road?

A:-If the dotted lines are on the driver's side, you can overtake

B:-A place where you can pass that line and overtake

C:-Do not overtake if the solid line is on the driver's side

D:-All of the above

Correct Answer:- Option-D

Question32:-What does a white or yellow zig zag line on the road indicate?

A:-The place where the vehicle accelerates

B:-It indicates that people are close to crossing the road

C:-A place to comfortably overtake a vehicle

D:-Marking indicating that the vehicle can be parked on the sides

Correct Answer:- Option-B

Question33:-What does a white or yellow striped median in the middle of the road indicate?

A:-The area equal to the divider

B:-A place where vehicles on both sides of the road should keep more distance

C:-A place that should not be overtaken under any circumstances

D:-All of the above

Correct Answer:- Option-D

Question34:-What does the yellow box junction marking on the road indicate?

A:-A place to park a vehicle on the road

B:-A place where the vehicle has to drive without stopping so as not to cause traffic obstruction

C:-Area where vehicles are allowed to overtake

D:-None of the above

Correct Answer:- Option-B

Question35:-What does the spaced white line in the middle of the road indicate?

A:-Line separating vehicles on both sides in two way traffic

B:-The line that marks the center of the road

C:-Carefully overtake the vehicle in front on this line

D:-All of the above

Correct Answer:- Option-D

Question36:-What does the white line on the side of the road indicate?

A:-A line to identify the sides of the road

B:-Indicates that vehicles should not be parked on the side of the road

C:-It indicates that the vehicle should be driven in the center of the road

D:-None of these

Correct Answer:- Option-A

Question37:-What does the left arrow in broken lines in the middle of the road indicate?

A:-Vehicles should take the service road on the left

B:-Overtaking vehicles should get back in line as soon as possible

C:-A place where you can overtake on the left side

D:-All of the above

Correct Answer:- Option-B

Question38:-What do the long, spaced white lines in the middle of the road indicate?

A:-Before the curve or the place where more attention is needed on the road

B:-A place where you can drive without paying too much attention to the road

C:-No overtaking place

D:-Where the sides of the road are less wide

Correct Answer:- Option-A

Question39:-What does the striped side marking indicate?

A:-A place to be treated as a footpath

B:-A place where vehicles should not be driven or parked

C:-A place that people can use for cycling

D:-All of the above

Correct Answer:- Option-D

Question40:-What does the continuous white line in the middle of the road indicate?

A:-There is no obstacle in overtaking

B:-Only oncoming vehicles are allowed to overtake

C:-Do not cross the line or overtake vehicles

D:-The vehicle should only be driven along the line

Correct Answer:- Option-C

Question41:-What is P.T.O. in Tractor?

A:-Power Tractor Stub

B:-Power Take-off stub

C:-Proper Take-off stub

D:-Proper Tractor Stub

Correct Answer:- Option-B

Question42:-Rotavator is also known as

A:-Rotary Tiller

B:-Cultivator

C:-Harrows

D:-Stone Burier

Correct Answer:- Option-A

Question43:-An example of vehicle daily maintenance

A:-Checking oil level

B:-Checking tyre pressure

C:-Checking radiator water level

D:-All of the above

Correct Answer:- Option-D

Question44:-Which of the following is not a tractor drawn tillage tool?

A:-Cultivator

B:-Auger plough

C:-Harrow

D:-Plank

Correct Answer:- Option-D

Question45:-What is to be checked for low power generation of engine?

A:-Water level

B:-Clogged oil filter

C:-Battery condition

D:-Clogged air cleaner

Correct Answer:- Option-D

Question46:-The basic purpose of tyre rotator on automobiles is to

A:-Avoid ply separation

B:-Equalize wear

C:-Get suspension better

D:-Reduce tyre wear

Correct Answer:- Option-B

Question47:-Front wheel of tractor is smaller than rear wheel. That helps

A:-To get more pull of load

B:-To prevent disbalance

C:-To take sharp turnings

D:-All of the above

Correct Answer:- Option-C

Question48:-Ploughing is done to _____

A:-Improve soil aeration

B:-Destroy weeds

C:-Increase water holding capacity

D:-All of the above

Correct Answer:- Option-D

Question49:-Which transmission unit allows the inner driving road wheel to rotate slower than the outer wheel but still maintain a drive to both wheels?

A:-Differential

B:-Final drive

C:-Gear box

D:-Clutch

Correct Answer:- Option-A

Question50:-Colour of tractor's tail light is _____

A:-White

B:-Red

C:-Green

D:-Blue

Correct Answer:- Option-B

Question51:-Given the name of three measuring instruments. Which among them can be used for measuring the bore of a cylinder?

(i) Telescopic gauge

(ii) Screw gauge

(iii) Feeler gauge

A:-(i) Only

B:-(i) and (ii)

C:-(i) and (iii)

D:-(ii) and (iii)

Correct Answer:- Option-A

Question52:-Which of the following statements is True in the case of calipers?

A:-The legs of outside and inside calipers are straight.

B:-The legs of the outside calipers are curved outwards

C:-The legs of the inside calipers are curved outwards.

D:-None of these statements are true.

Correct Answer:- Option-C

Question53:-The least count of a vernier calipers is _____

A:-Value of one main scale division — Value of one vernier scale division

B:-Value of one main scale division / Value of one vernier scale division

C:-Value of one main scale division + Number of vernier scale divisions

D:-Value of one main scale division /Number of vernier scale divisions

Correct Answer:- Option-D

Question54:-Which of the following is a Power Tiller manufacturer in Kerala?

A:-VST Tillers Tractors

B:-SHRACHI

C:-KAICO

D:-KAMCO

Correct Answer:- Option-D

Question55:-If the crankshaft of an engine rotates at 1600 rpm, the speed of cam shaft will be

A:-400 rpm

B:-800 rpm

C:-1200 rpm

D:-1600 rpm

Correct Answer:- Option-B

Question56:-In a typical piston, where are oil drain holes found?

A:-On upper ring grooves

B:-On ring grooves which are for compression rings

C:-On lower ring grooves

D:-On all the ring grooves

Correct Answer:- Option-C

Question57:-Which among the following can be the firing order and firing interval of a four-cylinder diesel engine?

A:-1-4-3-2 and 360

B:-1-4-3-2 and 270

C:-1-3-4-2 and 360

D:-1-3-4-2 and 180

Correct Answer:- Option-D

Question58:-Compression ratio of an engine is

A:-Swept Volume / Clearance Volume

B:- $(\text{Swept Volume} + \text{Clearance Volume}) / \text{Clearance Volume}$

C:- $(\text{Swept Volume} - \text{Clearance Volume}) / \text{Clearance Volume}$

D:- $\text{Clearance Volume} / (\text{Swept Volume} - \text{Clearance Volume})$

Correct Answer:- Option-B

Question59:-The exhaust valve of a four-stroke engine usually starts opening ...

A:-Just before BDC

B:-At BDC

C:-Just Before TDC

D:-At TDC

Correct Answer:- Option-A

Question60:-A 'Square Engine' is an engine with _____

- A:-Cylinder with square cross-section
- B:-Crankcase with square cross-section
- C:-Stroke as double of bore
- D:-Stroke and bore equal

Correct Answer:- Option-D

Question61:-Which of the following will happen when the foot pedal for clutch is depressed?

- A:-Pressure plate comes in contact with clutch plate
- B:-Pressure plate moves away from clutch plate
- C:-No change in the distance between pressure plate and clutch plate
- D:-None of the above

Correct Answer:- Option-B

Question62:-The function of differential lock in a two-wheel drive tractor is _____

- A:-To drive both the rear wheels at the same speed
- B:-To drive the rear wheels at different speeds
- C:-To make one of the drive wheel stationary
- D:-To make both the drive wheels stationary

Correct Answer:- Option-A

Question63:-With respect to rear mounted PTO types of tractors, which among the following statements are correct?

- 1 For Type 1, there will be 6 straight splines with speed as 540 ± 10
- 2 For Type 2, there will be 21 straight splines with speed as 1000 ± 25
- 3 For Type 3, there will be 21 involute splines with speed as 1000 ± 25

- A:-1 only is correct
- B:-1 and 2 are correct
- C:-2 only is correct

D:-1 and 3 are correct

Correct Answer:- Option-D

Question64:-In a tractor with planetary final drive system. which gear is driven by the input from differential?

A:-Sun Gear

B:-Planet Gears

C:-Ring Gear

D:-Carrier

Correct Answer:- Option-A

Question65:-Which of the following characteristics is typically associated with a four-wheel-drive (4WD) tractor compared to a two-wheel-drive (2WD) tractor?

A:-All four wheels are of the same size

B:-Larger Rear wheels compared to front wheels

C:-Absence of differential

D:-Similar tread pattern on all wheels

Correct Answer:- Option-D

Question66:-For tractor trailers upto 5T capacity, the overall length of the platform and width of the trailer, shall not exceed _____ respectively

A:-4.8 m and 2.4 m

B:-5 m and 2.5 m

C:-6 m and 2.8 m

D:-6.7 m and 2.8 m

Correct Answer:- Option-B

Question67:-The process of adding additional weight to tractor for increasing traction is called

A:-Ballasting

B:-Weight Transfer

C:-Drawbar

D:-Mulching

Correct Answer:- Option-A

Question68:-The horsepower which is available in a tractor to pull loads is known as

A:-Rated horsepower

B:-Belt horsepower

C:-Power Take off horsepower

D:-Drawbar horsepower

Correct Answer:- Option-D

Question69:-To ensure stable working conditions of a tractor, while using three-point linkage, it is recommended that the vertical convergence distance is not less than _____ the tractor wheelbase.

A:-0.5 times

B:-0.8 times

C:-0.9 times

D:-1.2 times

Correct Answer:- Option-C

Question70:-Which of the following statements accurately describes the ampere-hour (Ah) rating of a battery?

A:-The Ah rating indicates the maximum current a battery can provide

B:-The Ah rating represents the total charge capacity of a battery over time

C:-The Ah rating is a measure of the battery's voltage output

D:-The Ah rating indicates the physical size and weight of the battery

Correct Answer:- Option-B

Question71:-Calibration of a seed cum fertilizer drill is done for

(i) To ensure proper depth of seeding

(ii) To ensure proper seed rate

(iii) To ensure proper fertilizer rate

A:-All are correct

B:-All except (i) are correct

C:-All except (ii) are correct

D:-All except (iii) are correct

Correct Answer:- Option-B

Question72:-What does “toe-in” refer to with respect to front axle adjustment of tractors?

A:-The wheels pointing outward from the centerline of the vehicle

B:-The wheels pointing inward towards the centerline of the vehicle

C:-The vertical angle of the wheels relative to the road surface

D:-The horizontal angle of the wheels relative to the road surface

Correct Answer:- Option-B

Question73:-Tandem master cylinder in braking system consists of _____

A:-One cylinder and one reservoir

B:-Two cylinders and one reservoir

C:-One cylinder and two reservoirs

D:-Two cylinders and two reservoirs

Correct Answer:- Option-D

Question74:-What does the term "ply rating" refer to in tractor tires?

A:-An index tires maximum load capacity

B:-An index tire's diameter and width

C:-An index of tire strength

D:-An index tire's speed rating

Correct Answer:- Option-C

Question75:-The rear wheel track of most of the indigenous tractors can be altered by (i) Changing wheel — rim positions (ii) Interchanging rear wheels.

A:-Only (i) is correct

B:-Only (ii) is correct

C:-Both (i) and (ii) are correct

D:-Both (i) and (ii) are incorrect

Correct Answer:- Option-C

Question76:-Which type of road signal shows blue circle with white symbol?

A:-Cautionary Signal

B:-Mandatory signal

C:-Informatory Signal

D:-Warning Signal

Correct Answer:- Option-B

Question77:-The least count of an Universal vernier caliper is _____

A:-0.01 mm

B:-0.1 mm

C:-0.02 mm

D:-0.2 m

Correct Answer:- Option-C

Question78:-The tool used to cut internal threads in a hole is

A:-Reamer

B:-Taps

C:-Dies

D:-Twist drill

Correct Answer:- Option-B

Question79:-The capacity of a lead acid battery depends upon _____

A:- Number of plates in the cell

B:-Area of plates in the cell

C:-Quality of Electrolyte in the cell

D:-All of the above

Correct Answer:- Option-D

Question80:- _____ are used mostly in the application of rectifying AC to DC.

A:-Semiconductors

B:- Diodes

C:-Transistors

D:-All of the above

Correct Answer:- Option-B

Question81:- _____ is an instrument that indicate the distance travelled by a vehicle.

A:-Speedometer

B:-Tachometer

C:-Odometer

D:-Tripmeter

Correct Answer:- Option-C

Question82:- _____ is a safety equipment, before starting the work under the lifted vehicle

A:-Screw jack

B:- Hydraulic jack

C:- Axle stand

D:- All of the above

Correct Answer:- Option-C

Question83:-Which type of exhaust emission is controlled by EGR system?

A:-Unburned Hydrocarbon

B:- Carbon monoxide

C:-Oxides of Nitrogen

D:-Carbon dioxide

Correct Answer:- Option-C

Question84:-PCV valve is fitted in _____ System.

A:-Selective catalytic reduction

B:-Catalytic Converter

C:-Crankcase emission control

D:-Electronic mufflers

Correct Answer:- Option-C

Question85:-The distance between the axis of the piston pin and top of the piston crown is called _____

A:-Piston height

B:-Compression height

C:-Stroke length

D:-Piston pin height

Correct Answer:- Option-B

Question86:-In MPFI engines, the fuel is sprayed in _____ Stroke

A:-Suction

B:-Compression

C:-Power

D:- Exhaust

Correct Answer:- Option-A

Question87:- _____ helps to bring the cold engine to the operating temperature quickly.

A:-Pressure valve

B:- Vacuum valve

C:-Thermostat valve

D:-Pressure relief valve

Correct Answer:- Option-C

Question88:-The minimum number of ignition coil required in a distributorless ignition system for a 4 cylinder engine is _____

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-B

Question89:-The chassis of an automobile consists of _____

A:-Engine

B:-Transmission system

C:-Suspension system

D:-All of the above

Correct Answer:- Option-D

Question90:- _____ is the weight of vehicle components between the suspension and the road surface.

A:-Unsprung weight

B:-Sprung weight

C:-Spring weight

D:-Suspension weight

Correct Answer:- Option-A

Question91:-Factors affecting the wheel alignment are _____

A:-Factors pertaining to wheels

B:- Steering geometry

C:- Suspension system

D:- All of the above

Correct Answer:- Option-D

Question92:-Hydraulic brakes work under the principle of _____

A:-Newton's law

B:-Pascal's law

C:-Friction

D:-Heat

Correct Answer:- Option-B

Question93:-The center gear of an epicyclic gear set is called _____

A:-Sun gear

B:-Ring gear

C:-Planet gear

D:- Helical gear

Correct Answer:- Option-A

Question94:-Solenoid switch pull-in winding is connected with the _____

A:-Starting motor terminal

B:-Starter switch

C:-Battery terminal

D:-Pole shoe winding

Correct Answer:- Option-B

Question95:-Crash sensors are used in _____ system

A:-MPFI

B:-CRDI

C:-Air bag

D:-All of the above

Correct Answer:- Option-C

Question96:-The catalyst used in the catalytic converter for oxidising HC and CO is _____

A:-Rhodium

B:-Copper

C:- Platinum

D:-Lead

Correct Answer:- Option-C

Question97:-Intake Air Temperature sensor works on the basis of _____ principle

A:- Boyle's law

B:-Thermistor

C:-Air pressure

D:-Vacuum

Correct Answer:- Option-B

Question98:-_____is used to indicate the problems in the engine management system of MPFI system.

A:-Ignition warning lamp

B:- Oil pressure warning lamp

C:-Malfunction indicator lamp

D:- Dome light

Correct Answer:- Option-C

Question99:-_____sensor is used to monitor the injection timing and ignition timing of the MPFI engine.

A:-Manifold absolute pressure sensor

B:- Camshaft position sensor

C:- Throttle position sensor

D:-Oxygen sensor

Correct Answer:- Option-B

Question100:-_____can be used to determine the exact location of a vehicle on the earth's surface.

A:- Traction control system

B:-Cruise control system

C:-Immobilizer system

D:-GPS

Correct Answer:- Option-D