

## PROVISIONAL ANSWER KEY

Question 97/2023/OL

Paper Code:

Category 395/2020

Code:

Exam: Tractor Driver

Date of Test 27-06-2023

Department Ground Water

Question1:-Currency of a learners licence is \_\_\_\_\_

A:-1 month

B:-3 months

C:-6 months

D:-1 year

Correct Answer:- Option-C

Question2:-Which of the following is not a transport vehicle?

A:-Autorickshaw

B:-Goods Carriage

C:-Contract Carriage

D:-Motor Car

Correct Answer:- Option-D

Question3:-Minimum age to obtain a learners licence for motor cars is

A:-16 years

B:-18 years

C:-20 years

D:-No age limit

Correct Answer:- Option-B

Question4:-Minimum learning period to attend practical test on driving is

A:-30 days

B:-60 days

C:-90 days

D:-40 days

Correct Answer:- Option-A

Question5:-The colour of the registration number plate in Battery operated Electric Motor car

A:-Black colour on white background

B:-White colour on green background

C:-White colour on black background

D:-Yellow colour on green background

Correct Answer:- Option-B

Question6:-Time limit prescribed in M.V. Act, to apply for transferring an insurance Certificate, from the date of transfer is

A:-14 days

B:-30 days

C:-One month

D:-No such limit

Correct Answer:- Option-A

Question7:-Maximum gross vehicle weight of a light motor vehicle is

A:-4500 kg

B:-6000 kg

C:-9000 kg

D:-7500 kg

Correct Answer:- Option-D

Question8:-Maximum validity of Goods Carriage Permit is

A:-1 year

B:-7 year

C:-5 year

D:-15 year

Correct Answer:- Option-C

Question9:-Registration validity of a Motor Car is

A:-10 years

B:-15 years

C:-20 years

D:-5 years

Correct Answer:- Option-B

Question10:-Pollution under control certificate is compulsory for all vehicles, after completion of \_\_\_\_\_ period from the date of registration.

A:-One year

B:-6 months

C:-2 years

D:-5 years

Correct Answer:- Option-A

Question11:-Maximum speed limit of a Heavy Goods Vehicle at school zone is

A:-40 km/hr

B:-20 km/hr

C:-50 km/hr

D:-30 km/hr

Correct Answer:- Option-D

Question12:-A vehicle shall not be parked

A:-In the compound of civil station

B:-On a footpath, Cycle Track, Pedestrian crossing

C:-In the premises of hospital

D:-None of the above

Correct Answer:- Option-B

Question13:-The passenger capacity of a Tractor other than driver is

A:-No person

B:-2 persons

C:-3 persons

D:-1 person

Correct Answer:- Option-A

Question14:-Maximum speed while towing a vehicle shall not exceed \_\_\_\_\_ km/hr.

A:-20

B:-30

C:-25

D:-15

Correct Answer:- Option-C

Question15:-Distance to be maintained with a vehicle moving in front of our vehicle is

A:-30 metres

B:-20 metres

C:-50 metres

D:-None of these

Correct Answer:- Option-D

Question16:-A red coloured octagon is sign for

A:-To stop

B:-To slow down

C:-To park

D:-Give way

Correct Answer:- Option-A

Question17:-On mountain roads and steep roads priority is for \_\_\_\_\_

A:-Down going vehicle

B:-Equal to both

C:-Vehicles going uphill

D:-No such mention

Correct Answer:- Option-C

Question18:-\_\_\_\_\_ indicates to slow down and proceed with caution.

A:-Flashing red

B:-Flashing amber

C:-Flashing Green

D:-None of the above

Correct Answer:- Option-B

Question19:-The driver shall switch on the \_\_\_\_\_ before entering a tunnel.

A:-All lights

B:-Hazardous lights

C:-Indicators

D:-Dipped lights

Correct Answer:- Option-D

Question20:-The driver of a non-transport vehicle shall always carry with him in physical or electronic form

A:-Driving license

B:-Pollution under Control Certificate

C:-Certificate of Registration and Insurance

D:-All of the above

Correct Answer:- Option-D

Question21:-Broken white lines along the centre of the road means

A:-Over taking is not allowed

B:-Over taking is allowed

C:-Over taking is punishable

D:-None of these

Correct Answer:- Option-B

Question22:-Continuous yellow line along the centre of the road is

A:-Overtaking is prohibited

B:-Overtaking is dangerous

C:-Hazard warning like

D:-All of these

Correct Answer:- Option-D

Question23:-Most dangerous line is

A:-White line

B:-White broken line

C:-Yellow line

D:-Zig-zag marking

Correct Answer:- Option-C

Question24:-Zebra-crossing is a

A:-Transverse marking

B:-Longitudinal marking

C:-Hazard marking

D:-Block marking

Correct Answer:- Option-A

Question25:-White line along the side of the road is known as

A:-Side line

B:-Edge line

C:-End of carriage way

D:-None of these

Correct Answer:- Option-C

Question26:-Yellow line along the side of the road for

A:-No parking

B:-No Crossing

C:-No Entry

D:-No Stopping

Correct Answer:- Option-A

Question27:-Which of the following statement is/are correct about ladder hatchings?

(i) Marking at the centre of the road in the shape of a ladder

(ii) Used as divider in dangerous areas

(iii) Over taking is prohibited

A:-Only (ii) and (iii)

B:-Only (i) and (ii)

C:-Only (i) and (iii)

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

Correct Answer:- Option-D

Question28:-On yellow box marking

A:-Not stopping or parking on the yellow box

B:-Stop before yellow box if there is a block

C:-High traffic intense junction

D:-All of these

Correct Answer:- Option-D

Question29:-Diagonal marking on the road is for indicating?

A:-Median

B:-Crossing

C:-Traffic

D:-Parking

Correct Answer:- Option-A

Question30:-Zig-zag road markings

(i) School/hospital zone

(ii) Careful for side entering

(iii) Follow speed limits

A:-Statement (i), (ii) are correct

B:-Statement (i), (iii) are correct

C:-Statement (ii), (iii) are correct

D:-All statement are correct (i), (ii) and (iii)

Correct Answer:- Option-D

Question31:-Traffic signs are mentioned in which schedule of the motor vehicle Act?

A:-First Schedule

B:-Second schedule

C:-Third schedule

D:-Fourth schedule

Correct Answer:- Option-A

Question32:-How many types of traffic signs are mentioned in Motor Vehicle Act?

A:-2

B:-3

C:-4

D:-5

Correct Answer:- Option-B

Question33:-Which is the signal operated by Land only?

A:-Right

B:-Left

C:-Overtaking

D:-Stop

Correct Answer:- Option-C

Question34:-Shape of cautionary sign is

A:-Circle

B:-Square

C:-Rectangle

D:-Triangle

Correct Answer:- Option-D

Question35:-Give-way sign is R \_\_\_\_\_ sign?

A:-Informatory

B:-Mandatory

C:-Cautionary

D:-Ordinary

Correct Answer:- Option-B

Question36:-Design of stop sign is?

A:-heptagon

B:-Pentagon

C:-Hexagon

D:-Octagon

Correct Answer:- Option-D

Question37:-Informatory sign is

A:-Railway-cross

B:-School

C:-Hospital

D:-Bridge

Correct Answer:- Option-C

Question38:-T-junction, Y-junction, X-junction comes under

A:-Cautionary signs

B:-Informatory signs

C:-Ordinary signs

D:-Mandatory sign

Correct Answer:- Option-A

Question39:-Which is a mandatory sign?

A:-Petrol pump

B:-Ferry

C:-Speed limit

D:-Round about

Correct Answer:- Option-C

Question40:-Violation of mandatory sign is

A:-Punishable

B:-Not punishable

C:-May or may not be punishable

D:-None fo these

Correct Answer:- Option-A

Question41:-A pressure cap is used instead of a normal cap in radiator to attain:

(i) To increase system pressure

(ii) To hold the cap tight

(iii) To increase boiling point of Coolant.

(iv) To maintain the system leak proof

A:-Both (ii) and (iv) are correct

B:-Only (i) is correct

C:-(i), (ii) and (iii) are correct

D:-(i) and (iii) are correct

Correct Answer:- Option-D

Question42:-Tractor is a vehicle

A:-Used to pull other vehicles

B:-Designed to deliver High tractive effort at low speed

C:-To carry people in remote areas

D:-For Motor sports

Correct Answer:- Option-B

Question43:-Psi in tyre pressure means

A:-Pressure Status indicator

B:-Potential Safety Indicator

C:-Pounds per Square Inch

D:-Pressure per Square Inch

Correct Answer:- Option-C

Question44:-Advantages of Disc Plough are:

(i) Useful on hard surfaces with rocks

(ii) It cuts, lifts and inverts the soil

(iii) Covers the area in a faster speed

(iv) Digs Deeper

A:-All are true

B:-(i), (ii) and (iii) are true

C:-Only (i) is true

D:-None of them are true

Correct Answer:- Option-B

Question45:-Which part in a single point Hitch takes care of variations in field condition?

A:-Lower link

B:-Hitch Point

C:-Hitch Pin

D:-Swinging draw bar

Correct Answer:- Option-D

Question46:-Which of the following are good characteristics of brake fluid?

(i) Anti Corrosive

(ii) Evaporative

A:-Only (i) is correct

B:-Both are correct

C:-Only (ii) is correct

D:-Both are incorrect

Correct Answer:- Option-A

Question47:-What will happen if an engine run without Air filter/Cleaner?

A:-Produce less power

B:-Reduce engine sound

C:-Faster wear of engine moving parts

D:-Engine will run cooler

Correct Answer:- Option-C

Question48:-Coolant is to be replaced-

A:-Every month

B:-As per manufacturer's specification

C:-Whenever engine oil is replaced

D:-No replacement needed

Correct Answer:- Option-B

Question49:-The Unit supplies rotary power to stationary machines from a tractor is-

A:-PTO

B:-Gear box

C:-Rear axle

D:-Clutch

Correct Answer:- Option-A

Question50:-Rota Tiller is being driven by \_\_\_\_\_ in a Power Tiller.

A:-Gear

B:-Belt

C:-Chain

D:-Main shaft

Correct Answer:- Option-C

Question51:-For cutting thin tubing, the most suitable pitch of the hacksaw blade is?

A:-1.8 mm

B:-1.4 mm

C:-1 mm

D:-0.8 mm

Correct Answer:- Option-D

Question52:-The cutting angle for chipping iron is?

A:-60°

B:-55°

C:-90°

D:-37.5°

Correct Answer:- Option-A

Question53:-Proper leverage is provided to the engine output to pull the vehicle load by \_\_\_\_\_

A:-Clutch

B:-Differential

C:-Axle shaft

D:-Gear box

Correct Answer:- Option-D

Question54:-Components of clutch disc which absorbs frictional vibrations during torque triangular?

A:-Clutch facing

B:-Cushioning spring

C:-Clutch hub

D:-Torsion spring

Correct Answer:- Option-D

Question55:-The pressure of fluid in hydraulic brake system is governed by?

A:-Boyles law

B:-Charles law

C:-Pascals law

D:-None of the above laws

Correct Answer:- Option-C

Question56:-Axle half shaft is splined into

- A:-Sun gear
- B:-Planger gear
- C:-Crown gear
- D:-Star pinion

Correct Answer:- Option-A

Question57:-The starter armature rotates due to magnetic pole

- A:-Attraction
- B:-Vibration
- C:-Attraction and repulsion
- D:-Repulsion

Correct Answer:- Option-C

Question58:-The current regulator winding is connected with dynamo's armature

- A:-In parallel circuit
- B:-In series circuit
- C:-In series parallel circuit
- D:-In open circuit

Correct Answer:- Option-B

Question59:-The high fuel consumption of a petrol engine may be due to

- A:-Leakage of fuel from carburetor
- B:-Defects in lubrication system
- C:-Air leaks in intake manifold
- D:-Incorrect idle speed

Correct Answer:- Option-A

Question60:-Adjusting screw for adjusting air pressure in tank is provided

- A:-Air tank
- B:-Brake valve
- C:-Unloader valve
- D:-Brake chamber

Correct Answer:- Option-C

Question61:-The fluid pressure in master cylinder depends on

- A:-Master cylinder piston area
- B:-Wheel cylinder piston area
- C:-Pipe line dia
- D:-Fluid viscosity

Correct Answer:- Option-A

Question62:-The step bore wheel cylinder, uses two rubber cups of

A:-Equal diameters

B:-One cup is larger dia and another is smaller meters

C:-Both the cups are of larger diameters

D:-Both the cups are smaller diameters

Correct Answer:- Option-B

Question63:-The angle between centre line of king pin and a vertical line from centre point of tyre is called

A:-Camber angle

B:-Caster angle

C:-Toe out angle on turns

D:-Kingpin inclination

Correct Answer:- Option-D

Question64:-In which type of steering gear box variable steering ratio is achieved?

A:-Worm and roller steering gear

B:-Worm and nut steering gear

C:-Worm and sector steering gear

D:-Rack and pinion steering gear

Correct Answer:- Option-A

Question65:-Complete vehicle without body is called as

A:-Chassis

B:-Frame

C:-Unibody frame

D:-Conventional frame

Correct Answer:- Option-A

Question66:-Air bleeding is done in hydraulic brake is to?

A:-Remove contaminated fluid

B:-Remove drift

C:-Remove air in the system

D:-Remove heat

Correct Answer:- Option-C

Question67:-CRDI stands for \_\_\_\_\_

A:-Common Ratio diesel injection

B:-Common rail direct injection

C:-Combined ratio diesel injection

D:-Common rail diesel injection

Correct Answer:- Option-B

Question68:-Suspension component which control the vibration of suspension springs

A:-Shock absorber

B:-Spring

C:-Radius rod

D:-Balance rod

Correct Answer:- Option-A

Question69:-Turbo charge is equipped for \_\_\_\_\_

A:-Increase cylinder volume

B:-Increase volumetric efficiency

C:-Increase scavenging

D:-Decrease scavenging

Correct Answer:- Option-B

Question70:-Reduction catalyst used in a catalytic convertor is

A:-Oxygen

B:-Rhodium

C:-Palladium

D:-Platinum

Correct Answer:- Option-B

Question71:-In a hydraulic brake system the fluid pressure is converted to mechanical movement by

A:-Wheel drum

B:-Master cylinder

C:-Reflector spring

D:-Wheel cylinder

Correct Answer:- Option-D

Question72:-Which is the important part for locking the hitch pin?

A:-Spring washer

B:-Linch pin

C:-Split pin

D:-Key

Correct Answer:- Option-B

Question73:-In disc harrow the function of scraper is to?

A:-remove the stucked soil from disc

B:-Control working depth

C:-reduce draft

D:-ease the work

Correct Answer:- Option-A

Question74:-Which part of the farm tractor takes care wide range of variation in the field condition?

A:-Hitch point

B:-Lower link

C:-Upper link

D:-Swinging draw bar

Correct Answer:- Option-D

Question75:-Which materials used to make micrometer anvil?

A:-Carbide

B:-Bronze

C:-Carbon

D:-Brass

Correct Answer:- Option-A

Question76:-Who is the issuing Authority of driving licence in Kerala?

A:-Motor Vehicles department

B:-Ministry of Road Transport

C:-Kerala state Road Transport Corporation

D:-None of these

Correct Answer:- Option-A

Question77:-Which of the following tool is used to remove a broken stud?

A:-Drilling machine

B:-Hand Reamer

C:-Screw extractor

D:-Taps and dies

Correct Answer:- Option-C

Question78:-Which of the following tool is very necessary for engine assembling?

A:-Torque Wrench

B:-Circlip plier

C:-Piston Ring Compressor

D:-All of the above

Correct Answer:- Option-D

Question79:-In the following what instrument is used to measure the current flow from battery and viceversa?

- A:-Voltmeter
- B:-Ohm meter
- C:-Ammeter
- D:-Multimeter

Correct Answer:- Option-C

Question80:-Which of the following instrument is used in a vehicle to measure the travelled distance?

- A:-Tachometer
- B:-Speedometer
- C:-Odometer
- D:-Hydrometer

Correct Answer:- Option-C

Question81:-What is the expansion of "SMF" battery?

- A:-Sealed Maintenance free
- B:-Small Maintenance free
- C:-Sealed manufacturing free
- D:-Special Monitoring free

Correct Answer:- Option-A

Question82:-In the following Jacks what type is commonly used for cars?

- A:-Floor jacks
- B:-Scissor jacks
- C:-Bottle jacks
- D:-Trolley jacks

Correct Answer:- Option-B

Question83:-What is the function of Air cleaner in a vehicle?

- A:-To filter the dust and dirt particles in the air
- B:-To reduce friction and wear
- C:-To minimise engine noise
- D:-All of the above

Correct Answer:- Option-D

Question84:-What pollutant contained in the exhaust gas is mostly not harmful for human?

- A:-Carbon monoxide
- B:-Carbon dioxide
- C:-Un burned Hydro Carbons
- D:-Oxides of Nitrogen

Correct Answer:- Option-B

Question85:-Which of the following part is not an internal part of engine?

A:-Piston

B:-Flywheel

C:-Crank shaft

D:-Cam shaft

Correct Answer:- Option-B

Question86:-Premium type gasoline fuel having

A:-Octare number - 87

B:-Octare number - 93

C:-Cetane number - 87

D:-Cetane number - n 93

Correct Answer:- Option-B

Question87:-CRDI stands for

A:-Constant Rail Diesel Injection

B:-Control Relay Diesel Injection

C:-Common Rail Diesel Injection

D:-Common Rail Diesel Ignition

Correct Answer:- Option-C

Question88:-Which of the following is not a reason for high oil pressure of engine?

A:-Excessive wear of engine parts

B:-Clogged oil filter

C:-Faulty pressure relief valve

D:-Blocked oil passages

Correct Answer:- Option-A

Question89:-Which one of the following is the best spark plug for the engine?

A:-Iridium

B:-Nicked

C:-Copper

D:-Platinum

Correct Answer:- Option-A

Question90:-Which of the following is not included in the Unsprung weight of a Vehicle?

A:-Engine

B:-Clutch

C:-Gear box

D:-Differential

Correct Answer:- Option-D

Question91:-An over inflated tyre will wear the tread most near the

A:-Center

B:-Edges

C:-Every where

D:-Corners

Correct Answer:- Option-A

Question92:-Braking is produced by the frictional effect between the brake drum and

A:-Brake shoes

B:-Brake linings

C:-Road

D:-Wheel cylinder pistons

Correct Answer:- Option-B

Question93:-Front wheel alignment is adjusted by altering

A:-Angle of track arm

B:-Length of track rod

C:-Distance between the king pins

D:-Position of the drag link

Correct Answer:- Option-B

Question94:-Which transmission unit disengages the drive and provides a smooth take up of the drive?

A:-Gear Box

B:-Propeller Shaft

C:-Universal Joint

D:-Clutch

Correct Answer:- Option-D

Question95:-The output of an alternator is controlled by

A:-Voltage regulator

B:-Cut out relay

C:-Current regulator

D:-None of these

Correct Answer:- Option-C

Question96:-Crash sensors are located

A:-Within the ECU

B:-Behind the head light

C:-Behind the front bumper

D:-Any where of these

Correct Answer:- Option-D

Question97:-In an EFI system which of the following statement is true?

A:-It optimize the fuel consumption

B:-It reduces the pollutants

C:-It prevents the formation of carbon deposits

D:-All of the above

Correct Answer:- Option-D

Question98:-What is the function of DTC?

A:-It helps to reduce the fuel consumption

B:-It diagnose engine malfunctions

C:-It increases vehicle speed

D:-None of the above

Correct Answer:- Option-B

Question99:-\_\_\_\_\_ prevents someone from starting the engine with an incorrectly coded key.

A:-Power Window

B:-GPS System

C:-Engine immobilizer

D:-ABS System

Correct Answer:- Option-C

Question100:-Which sensor measures the presence of oxygen in the exhaust system of a car?

A:-O2 Sensor

B:-MAF Sensor

C:-MAP Sensor

D:-TP Sensor

Correct Answer:- Option-A