

PROVISIONAL ANSWER KEY

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Question1:-Name the scheme launched by the Government of India for online booking of LPG cylinders.

- A:-Sahaj
- B:-NITI Aayog
- C:-Nirbaya
- D:-Mundra

Correct Answer:- Option-A

Question2:-'Akhila Thiruttu' was the publication of

- A:-Vaikunda Swamikal
- B:-Chattambi Swamikal
- C:-Sree Narayana Guru
- D:-Thycaud Ayya

Correct Answer:- Option-A

Question3:-Which is not the poem of O.N.V. Kuruppu ?

- A:-Kothambumanikal
- B:-Uppu
- C:-Moham
- D:-Karuna

Correct Answer:- Option-D

Question4:-Who was the chief guest during the occassion of `67^(th)` Republic Day of India ?

- A:-American President
- B:-French President
- C:-Srilakan President
- D:-King of Saudi Arabia

Correct Answer:- Option-B

Question5:-'Unfinished Dream' is the book written by

- A:-Muhammed Yunus
- B:-Vinod Rai
- C:-Muhammed Iqbal
- D:-Vargheese Kurian

Correct Answer:- Option-D

Question6:-Kerala Mineral and Metals is at

- A:-Valayar
- B:-Chavara
- C:-Kundara
- D:-Vizhinjam

Correct Answer:- Option-B

Question7:-Total area of Kerala is

- A:-38963 sq. km
- B:-38863 sq. km
- C:-38868 sq. km
- D:-38683 sq. km

Correct Answer:- Option-B

Question8:-Recently in which State Jats conducted movement for reservation ?

- A:-Haryana
- B:-Gujarat
- C:-Rajasthan
- D:-Madhya Pradesh

Correct Answer:- Option-A

Question9:-Kundara proclamation was issued by

- A:-Paliyath Achan

- B:-Velu Thampi
- C:-Swathi Thirunal
- D:-Gouri Parvathi Bai

Correct Answer:- Option-B

Question10:-'Biosphere' was firstly used by

- A:-Brend Land
- B:-Edward Suess
- C:-Martin Luther
- D:-Edward Jenner

Correct Answer:- Option-B

Question11:-The study of mountains is

- A:-Petrology
- B:-Potomology
- C:-Orology
- D:-Climatology

Correct Answer:- Option-C

Question12:-Who is the leader of Patel Strike in Gujarat ?

- A:-Ahammed Patel
- B:-Harthwik Patel
- C:-Sardar Patel
- D:-Vithal Radadia

Correct Answer:- Option-B

Question13:-The Round Table Conferences were held in

- A:-America
- B:-London
- C:-Geneva
- D:-Gujarat

Correct Answer:- Option-B

Question14:-Forward Bloc was formed in

- A:-1938 May `1^(st)`
- B:-1940 May `1^(st)`
- C:-1939 May `3^(rd)`
- D:-1937 May `3^(rd)`

Correct Answer:- Option-C

Question15:-In 1955 Imperial Bank of India was nationalised and renamed as

- A:-State Bank of India
- B:-Reserve Bank of India
- C:-Punjab National Bank
- D:-Indian Bank

Correct Answer:- Option-A

Question16:-The Unit of atmospheric pressure is

- A:-Joule
- B:-Tesla
- C:-Diopetre
- D:-Hectopascal

Correct Answer:- Option-D

Question17:-The number of West flowing rivers in Kerala

- A:-33
- B:-3
- C:-14
- D:-41

Correct Answer:- Option-D

Question18:-In which year was the Presidential Rule enforced in Kerala for the first time ?

- A:-1949
- B:-1959
- C:-1958
- D:-1948

Correct Answer:- Option-B

Question19:-Who founded Pratyaksha Raksha Daiva Sabha for social reformation of Christians in Kerala ?

A:-Poikayil Sri Kumara Gurudevan

B:-Dr. Palpu

C:-Chavara Elias Kuriakose

D:-Pandit Karuppan

Correct Answer:- Option-A

Question20:-The outbreak of which mosquito born virus causes birth defects in new born babies has been reported in Latin America ?

A:-AIDS

B:-SARS

C:-Ebola

D:-Zika

Correct Answer:- Option-D

Question21:-To continue running the engine must have

A:-Braking, electrical, electronics and steering systems

B:-Power train, suspensions, steering and body

C:-Fuel, ignition, lubricating and cooling systems

D:-Power train, ignition, suspension, cooling systems

Correct Answer:- Option-C

Question22:-Which provide information to electronic control module ?

A:-Sensors

B:-Output

C:-Actuators

D:-Control unit

Correct Answer:- Option-A

Question23:-Periodic maintenance or preventive maintenance helps to

A:-Schedule brake down

B:-Eliminate routine service

C:-Driver to use self service

D:-Prevent failure

Correct Answer:- Option-D

Question24:-Hand brakes are applied on

A:-The rear wheels only

B:-The front wheels only

C:-All wheels

D:-Transmission

Correct Answer:- Option-A

Question25:-What are the causes of accidents in the workshop ?

A:-Defective parts

B:-Defective equipments

C:-Faulty workmanship

D:-Failure to follow instructions

Correct Answer:- Option-D

Question26:-Never running an engine in the closed room because the exhaust gas contains

A:-Air

B:-Blue smoke

C:-Carbon monoxide

D:-Water vapor

Correct Answer:- Option-C

Question27:-The diameter of a piston is three inches, in metric system the diameter is

A:-76.2 cm

B:-67.2 cm

C:-67.2 mm

D:-76.2 mm

Correct Answer:- Option-D

Question28:-In the radiator pressure cap contains

A:-Only pressure valve

B:-Only vacuum valve

C:-Only blow-off valve

D:-Both vacuum and pressure valves

Correct Answer:- Option-D

Question29:-The function of fly wheel is

- A:-Smoothen the power flow
- B:-Serve as the part of the clutch
- C:-For starting purpose
- D:-All of the above

Correct Answer:- Option-D

Question30:-Excessive end play of the crank shaft is prevented by using

- A:-Sleeve bearing
- B:-Thrust bearing
- C:-Shaft journal
- D:-Fly wheel

Correct Answer:- Option-B

Question31:-The throttle position sensor can be checked by

- A:-A digital voltmeter
- B:-An ohmmeter
- C:-Ammeter
- D:-All of the above

Correct Answer:- Option-B

Question32:-In petrol fuel injection system, the two positions of injectors are

- A:-In the cylinder and on the intake port
- B:-On the two sides on the air horn
- C:-The throttle body and in the intake port
- D:-Intake and exhaust ports

Correct Answer:- Option-C

Question33:-Which type of tool is used to tighten bolt and nut with specified torque ?

- A:-Double end spanner
- B:-Socket wrench
- C:-Torque wrench
- D:-Ring spanner

Correct Answer:- Option-C

Question34:-Two type of fuel supply system used in SI engine are

- A:-Carbureted and diesel
- B:-Fuel injection and diesel
- C:-Port and throttle body
- D:-Fuel injection and carburattor

Correct Answer:- Option-D

Question35:-In the clutch disc, the torsional vibrations is absorbed by the

- A:-Splines
- B:-Friction pad
- C:-Coil springs
- D:-Cushion springs

Correct Answer:- Option-C

Question36:-The distance difference between the vehicle wheel bases from one side to the other is known as

- A:-Thrust radius
- B:-Wheel track
- C:-Scrub radius
- D:-Set back

Correct Answer:- Option-D

Question37:-In throttle body injection system install the injector using new "O" rings lubricated or coated with

- A:-Petrol
- B:-Rubber sealent
- C:-Gasket sealer
- D:-Clean engine oil

Correct Answer:- Option-D

Question38:-The basic control device of the carborattor is

- A:-Needle valve
- B:-Chock valve
- C:-Throttle valve

D:-Main jet

Correct Answer:- Option-C

Question39:-In mac pherson-strut suspension system the upper end of the strut is attached to the

A:-Upper arm

B:-Steering knuckle

C:-Vehicle body

D:-King pin

Correct Answer:- Option-C

Question40:-To change reciprocating motion to rotary motion, the engine has

A:-Crankshaft and camshaft

B:-Piston and connecting rod

C:-Camshaft and connecting rod

D:-Connecting rod and crankshaft

Correct Answer:- Option-D

Question41:-In the diesel engine, the air is compressed to a little as

A:-1/4 of its original volume

B:-1/10 of its original volume

C:-1/22 of its original volume

D:-1/50 of its original volume

Correct Answer:- Option-C

Question42:-When the gear ratio through the transmission is 1 : 1, the transmission is in

A:-Over drive

B:-Direct drive

C:-Medium drive

D:-Neutral

Correct Answer:- Option-B

Question43:-The least count of a steel rule is

A:-1.0 mm

B:-0.5 mm

C:-0.5 cm

D:-1.0 cm

Correct Answer:- Option-B

Question44:-The mechanical speedometer, drive gear mounted on the

A:-Input shaft

B:-Clutch shaft

C:-Counter gear shaft

D:-Output shaft

Correct Answer:- Option-D

Question45:-Which test is conducted to know the chemical condition of the plate of a lead acid battery ?

A:-High discharge test

B:-Open volt test

C:-Cadmium test

D:-Specific gravity test

Correct Answer:- Option-C

Question46:-Another name of formula wheel is known as

A:-Pressed steel disc wheel

B:-Light alloy wheel

C:-Disc wheel

D:-Wire Wheel

Correct Answer:- Option-B

Question47:-The engine valves are closed by

A:-Camshaft

B:-Rocker shaft

C:-Valve springs

D:-Tappet

Correct Answer:- Option-C

Question48:-The carburator, the fuel in the float bowl is kept at a constant level by the action of

A:-Opening of the throttle valve

B:-Fuel pump

C:-Float and needle valve

D:-Pressure regulator

Correct Answer:- Option-C

Question49:-Which components help to control body roll when cornering or driving rough road.

A:-Sway bar

B:-Lower control arm

C:-Upper control arm

D:-King pin

Correct Answer:- Option-A

Question50:-Any short circuit in the armature winding tested with

A:-Multimeter

B:-Ammeter

C:-Voltmeter

D:-Growler

Correct Answer:- Option-D

Question51:-Out of round brake drums causes the tires to wear

A:-On the side

B:-On the outer side

C:-A single spots

D:-Edges

Correct Answer:- Option-C

Question52:-The primary function of lubrication is to

A:-Provide cooling effect

B:-Provide sealing effect

C:-Provide cleaning effect

D:-Reduce wear

Correct Answer:- Option-D

Question53:-An indication of ignition quality of a diesel fuel is given by

A:-Detonation

B:-Octane number

C:-Cetane number

D:-Pre-ignition

Correct Answer:- Option-C

Question54:-Calorific value of diesel fuel is

A:-50 MJ/KG

B:-50 KJ/KG

C:-50 J/KG

D:-50 GJ/KG

Correct Answer:- Option-A

Question55:-Which type of valve are used in I.C. engines ?

A:-Sleeve valve

B:-Rotary valve

C:-Reed valve

D:-Poppet valve

Correct Answer:- Option-D

Question56:-Which type of the pistons used in two stroke engines ?

A:-Flat head

B:-Concave head

C:-Domed head

D:-Irregular head

Correct Answer:- Option-C

Question57:-Which are constant clearance pistons ?

A:-Steel-belted piston

B:-Slipper piston

C:-Cam ground piston

D:-Slot skirt piston

Correct Answer:- Option-D

Question58:-Which type of bearings used in wheel hub ?

A:-Taper roller bearing

B:-Roller bearing

C:-Ball bearing

D:-Bush bearing

Correct Answer:- Option-A

Question59:-Which type of camshaft drive mechanism is used in over head camshaft engine ?

A:-All of the above

B:-Gear drive

C:-None of the above

D:-Chain drive

Correct Answer:- Option-D

Question60:-The purpose of the waste gate in the turbo charger is

A:-Produce over boost

B:-Prevent over boost

C:-Cool the air fuel mixture

D:-Heat the air fuel mixture

Correct Answer:- Option-B

Question61:-Which type of water pump are used in I.C. engines ?

A:-Centrifugal pump

B:-Vane pump

C:-Gear pump

D:-Crescent pump

Correct Answer:- Option-A

Question62:-Clutch dragging is noticeable at

A:-Gear shifting

B:-At low speed

C:-At high speed

D:-During acceleration

Correct Answer:- Option-A

Question63:-The distance measured from some specific point on the body, frame or suspension to the ground is known as

A:-Suspension height

B:-Front end geometry

C:-Camber

D:-Caster

Correct Answer:- Option-A

Question64:-Advantages of helical gear rather than spur gear in transmission is

A:-Low cost

B:-Less and thrust

C:-Economy

D:-Low noise

Correct Answer:- Option-D

Question65:-In carburator the transfer port comes into operation

A:-At maximum engine speed

B:-During slow speed operation

C:-When engine is idling

D:-After engine is turned off

Correct Answer:- Option-B

Question66:-The bearing clearance is never measured with

A:-Vernier caliper

B:-Feeler gauge

C:-Plastic gauge

D:-Micrometer

Correct Answer:- Option-D

Question67:-The car air conditioning system the three major enemies are

A:-Gasoline, oil and electricity

B:-Moisture, dirt and air

C:-Cold weather, high altitude and humidity

D:-Hot weather, low altitude and humidity

Correct Answer:- Option-B

Question68:-The function of over drive is

- A:-To step up gear ratio
 - B:-To step down gear ratio
 - C:-To increase torque
 - D:-To reduce speed
- Correct Answer:- Option-A

Question69:-The ratio of height and width of the tire is known as

- A:-Aspect ratio
- B:-Tire type
- C:-Rim diameter
- D:-All of the above

Correct Answer:- Option-A

Question70:-The parking brake are generally operated by

- A:-Electrically
- B:-Mechanically
- C:-Hydraulically
- D:-Air pressure

Correct Answer:- Option-B

Question71:-In suspension system, the weight supported by the springs is

- A:-Sprung weight
- B:-Unsprung weight
- C:-Vehicle weight
- D:-Gross weight

Correct Answer:- Option-A

Question72:-In rear wheel drive vehicle with front engine, the drive lines contains two joints, these are

- A:-C V joints and U joint
- B:-Slip joint and U joint
- C:-Rzeppa joint and slide joint
- D:-Trunnion joint and slip joint

Correct Answer:- Option-B

Question73:-Which transport vehicle is used to transporting passengers over long distance and provide luxurious interior, adjustable seats ?

- A:-Bus
- B:-Mini bus
- C:-Traveller
- D:-Coach

Correct Answer:- Option-D

Question74:-The function of gear box in an automobile is

- A:-Vary speed
- B:-Vary torque
- C:-Reveres position
- D:-Provide neutral position

Correct Answer:- Option-B

Question75:-The longitudinal distance between the centre line of the front and rear axle is

- A:-Wheel track
- B:-Front over hang
- C:-Wheel base
- D:-Rear over hang

Correct Answer:- Option-C

Question76:-The engine is mounted on front of the driver's cabin; this type of chassis is known as

- A:-Conventional control
- B:-Semi forward control
- C:-Full forward control
- D:-None of the above

Correct Answer:- Option-A

Question77:-Which type of rivets are used for clutch facing are attached to the hub plate ?

- A:-Steel rivets
- B:-Aluminium rivets
- C:-Brass rivets
- D:-Steel screws

Correct Answer:- Option-C

Question78:-Which type of gear box double de clutching is essential ?

- A:-Clash type
- B:-Constant mesh
- C:-Synchromesh
- D:-Selector mechanism

Correct Answer:- Option-B

Question79:-As the shock absorber compressed the fluid pass through the piston orifice and

- A:-Out of dust shield
- B:-In to the upper part of the cylinder
- C:-In to the lower part of the cylinder
- D:-Out of air chamber

Correct Answer:- Option-A

Question80:-The car air conditioning system, if the compressor runs no temperature between the low pressure and high pressure line indicates

- A:-Full refrigerants in the system
- B:-Over charge of refrigerants in the system
- C:-Normal system operation
- D:-No refrigerants in the system

Correct Answer:- Option-D

Question81:-Which type of rear axle, the wheel is directly connected to the axle shaft

- A:-Three quarter floating
- B:-Semi floating
- C:-Full floating
- D:-Dead axle

Correct Answer:- Option-B

Question82:-Continuity in the starter motor in the field winding can be tested with

- A:-Multimeter
- B:-Ammeter
- C:-Voltmeter
- D:-Growler

Correct Answer:- Option-A

Question83:-The sum of camber angle and king pin inclination is called

- A:-Caster
- B:-Toe-in
- C:-Included angle
- D:-Steering axis inclination

Correct Answer:- Option-C

Question84:-The color of the negative plate of a lead acid battery

- A:-Brown
- B:-Gray
- C:-White
- D:-Black

Correct Answer:- Option-B

Question85:-The ratio of side force sustained and slip angle of a wheel during cornering is

- A:-Cornering power
- B:-Camber force
- C:-Cornering force
- D:-All of the above

Correct Answer:- Option-A

Question86:-In rack and pinion gear box the rack is attached to

- A:-Stub axle
- B:-Tie rod
- C:-Relay rod
- D:-Pitman arm

Correct Answer:- Option-B

Question87:-In steering linkage another name for the drag link is

- A:-Link rod
- B:-Track rod

C:-Tie rod

D:-Drop arm

Correct Answer:- Option-A

Question88:-Which part of the tyre contact with the road surface when the wheel rolls ?

A:-Bead

B:-Carcass

C:-Thread

D:-Side walls

Correct Answer:- Option-C

Question89:-In an engine stroke length is

A:-Half throw of crank

B:-Double throw of crank

C:-Throw of crank

D:-Three times throw of crank

Correct Answer:- Option-B

Question90:-Brakes fading occurs at

A:-High speed

B:-Low speed

C:-Continuous application

D:-Brake lining worn-out

Correct Answer:- Option-C

Question91:-The air removing process of the hydraulic brake system is known as

A:-Bleeding

B:-Produce excess pressure

C:-Filling of excess fluid

D:-All of the above

Correct Answer:- Option-A

Question92:-In service procedure, to install means to

A:-Put back the same part you removed

B:-Repair the dismantled part

C:-Re assemble a component

D:-Remove and replace the part

Correct Answer:- Option-A

Question93:-Which meter indicate the total mileage covered ?

A:-Speedometer

B:-Odometer

C:-Ammeter

D:-Voltmeter

Correct Answer:- Option-B

Question94:-Which instrument is used to measure the speed of a running vehicle ?

A:-Odometer

B:-Laser speed gun

C:-Laser stick

D:-Speedometer

Correct Answer:- Option-B

Question95:-Steering ratio of the steering gear is the ratio between

A:-Number of degrees of steering wheel must turn to the front wheel turn to the one degree

B:-Number of degrees of steering wheel must turn to the back wheel turn to the one degree

C:-None of the above

D:-All of the above

Correct Answer:- Option-A

Question96:-The working principle of hydraulic brake system

A:-Lenz's law

B:-Pascal's law

C:-Fleming's law

D:-Newton's law

Correct Answer:- Option-B

Question97:-When it is operated, which mechanism is going to off stage

A:-Brake

B:-Differential

C:-Clutch

D:-Wheel

Correct Answer:- Option-C

Question98:-The purpose of tyre sipes is

A:-Increase tread life

B:-Decrease noise level

C:-Provide softer ride

D:-Increase traction

Correct Answer:- Option-D

Question99:-In two stroke engines has 'port' on

A:-Cylinder head

B:-Cylinder walls

C:-Crank case

D:-Cylinder liner

Correct Answer:- Option-B

Question100:-Which one of the engine has longest crank shaft ?

A:-In-line engine

B:-Radial engine

C:-Opposed engine

D:-V-type engine

Correct Answer:- Option-A