FINAL ANSWER KEY

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Question1:-According to Frederick Taylor, what was the primary goal of scientific management?

A:-To increase worker autonomy

B:-To prioritize social responsibility over profit

C:-To increase worker morale

D:-To increase efficiency and productivity

Correct Answer:- Option-D

Question2:-Which type of wage reflects the actual purchasing power of money earned?

A:-Prevailing Wage

B:-Nominal Wages

C:-Real Wage

D:-Minimum Wage

Correct Answer:- Option-C

Question3:-Which of the following is NOT a key difference between PERT and CPM?

A:-PERT focuses on time management and risk assessment, while CPM emphasizes cost optimization and resource allocation

B:-PERT uses probabilistic time estimates, while CPM uses deterministic estimates

C:-PERT is event-oriented and CPM is activity - oriented

D:-PERT allows for project crashing and CPM does not

Correct Answer:- Option-D

Question4:-Which of the following is not a method to find an initial basic feasible solution in a transportation problem?

A:-Least Cost Method (LCM)

B:-North-West Corner Rule

C:-MODI Method

D:-Vogel's Approximation Method

Correct Answer:- Option-C

Question5:-What happens to the EOQ if the holding cost increases?

A:-A decrease in EOQ

B:-An increase in EOQ

C:-No change in EOQ

D:-A decrease in ordering cost

Correct Answer:- Option-A

Question6:-Which production method is best suited for industries producing products like oil, chemicals, or pharmaceuticals?

A:-Serial production

B:-Mass production

C:-Batch production

D:-Continuous production

Correct Answer:- Option-D

Question7:-What is the correct formula to calculate normal time in time study?

A:-Normal Time = Observed Time x (1+ Performance Rating)

B:-Normal Time = Observed Time x Performance Rating

C:-Normal Time = Standard Time x Performance Rating

D:-Normal Time = Observed Time / Performance Rating

Correct Answer:- Option-B

Question8:-What is the purpose of a control chart in quality control?

A:-To monitor the stability of a process over time

B:-To set acceptance criteria for products

C:-To make a statistically valid judgement about the quality of a lot

D:-To measure the average defect rate

Correct Answer:- Option-A

Question9:-What is the main difference between quality control (QC) and quality assurance (QA)?

A:-QC is proactive, while QA is reactive

B:-QC focuses on identifying defects, while QA focuses on preventing them

C:-QC is prevention-oriented, while QA is detection and correction-oriented

D:-QA is product-oriented, while QC is process-oriented

Correct Answer:- Option-B

Question10:-Which formula is used to calculate machining time in a lathe operation?

A:-Time = Length * Feed * RPM

B:-Time = Feed / (Length * RPM)

C:-Time = RPM / (Length * Feed)

D:-Time = Length / (Feed * RPM)

Correct Answer:- Option-D

Question11:-In foundry practice, which tool is used to make impressions for gates and runners in sand molds?

A:-Rammers

B:-Trowels

C:-Gate cutter

D:-Strike-off bar

Correct Answer:- Option-C

Question12:-In welding, excessive warping is mainly caused by :

A:-Slow cooling

B:-Fast cooling

C:-Uneven heating

D:-Uniform heating

Correct Answer:- Option-C

Question13:-In orthogonal cutting, the cutting edge of the tool remains :

A:-Inclined to the direction of tool travel

B:-Perpendicular to the direction of tool travel

C:-Parallel to the direction of tool travel

D:-At an acute angle to tool travel

Correct Answer:- Option-B

Question14:-The method used to produce gears with precision using a rotating cutter is called

A:-Gear grinding

B:-Gear casting

C:-Gear hobbing

D:-Gear molding

Correct Answer:- Option-C

Question15:-Which abrasive is naturally occurring?

A:-Silicon carbide

B:-Aluminium oxide

C:-Diamond

D:-Boron carbide

Correct Answer:- Option-C

Question16:-In flexible manufacturing systems, a "cell" typically refers to

A:-A manual workstation

B:-A group of CNC machines with automated material handling

C:-A single machine tool

D:-An inspection station

Correct Answer:- Option-B

Question17:-In ultrasonic non-destructive testing, sound waves of which frequency range are used?

A:-Below 20 Hz

B:-20 Hz to 20 kHz

C:-Above 20 kHz

D:-2 GHz

Correct Answer:- Option-C

Question18:-Specific weight of a fluid is defined as

A:-Weight per unit volume

B:-Mass per unit volume

C:-Weight per unit area

D:-None of these

Correct Answer:- Option-A

Question19:-The viscosity of a gas _____ with increase of temperature

A:-Decreases

B:-Increases

C:-Remains unchanged

D:-First decreases then increases

Correct Answer:- Option-B

Question20:-Venturi meter is working under the principle of

A:-Newtons law of viscosity

B:-Bernoulli's principle

C:-Continuity principle

D:-Momentum principle

Correct Answer:- Option-B

Question21:-Euler equation for water turbine is derived on the basis of

A:-Rate of change of angular momentum

B:-Rate of change of linear momentum

C:-Conservation of mass

D:-Rate of change of velocity

Correct Answer:- Option-A

Question22:-The energy loss due to friction in a pipe is given by

A:-Dracy's formula

B:-Reynold's number

C:-Newtons viscosity number

D:-Bernoulli's principle

Correct Answer:- Option-A

Question23:-Chances of occurrence of cavitation are high if the

A:-The pressure falls below vapor pressure

B:-The temperature becomes very low

C:-The Thomas cavitation parameter becomes very high

D:-Pressure becomes very high

Correct Answer:- Option-A

Question24:-If two identical pumps connected in series the resulting head is

A:-2H

B:-H

C:-4H

D:-3H

Correct Answer:- Option-A

Question25:-When an air vessel is fitted to a single acting reciprocating pump the % of saving in work done against friction is

A:-84.8%

B:-39.2%

C:-50%

D:-100%

Correct Answer:- Option-A

Question26:-A body of mass 50 kg slides down as inclined plane having a coefficient of friction μ, starting from rest. If it attains a velocity of 10 m/s covering a distance S along the inclined plane, which of the following statements will hold true?

A:-$g\cos\alpha - 2\mu g\sin\alpha = 5S$

B:-$100(g\cos\alpha - 2\mu g\sin\alpha) = S$

C:-$S(g\sin\alpha - \mu g\cos\alpha) = 50$

D:-$10(g\sin\alpha - \mu g\cos\alpha) = S$

Correct Answer:- Option-C

Question27:-Identify the incorrect statement

A:-The polar moment of inertia is the sum of the moments of inertia of a lamina about its X and Y axes along the plane of the lamina passing through the same point

B:-The polar moment of inertia of a thin disc with mass M and radius R is given by MR^2

C:-The kinetic energy of rotation of a body is half the moment of inertia when the angular velocity is unity

D:-The moment of inertia depends on the distribution of mass in a body and the angular velocity

Correct Answer:- Option-D

Question28:-A tensile load of 400 kN is applied along the length of a steel bar having Young's modulus
200 GPa and Poisson's ratio of 0.25. What would be the resulting change of volume if the steel bar was initially 200 mm long, 50 mm wide and 40 mm thick?

A:-175 mm^3

B:-200 mm^3

C:-250 mm^3

D:-275 mm^3

Correct Answer:- Option-B

Question29:-A horizontal beam of length 20 cm carrying a uniformly distributed load ω kg/m is supported at two points, 5 cm from each end. Which of the following statements is true?

A:-The point of contraflexure will be at the centre

B:-The points of contraflexure will be at the end points

C:-The points of contraflexure will be where the supports are provided

D:-There will not be any points of contraflexure in this case.

Correct Answer:- Option-C

Question30:-A torque of 1000 Nm is applied at a section of a shaft 12 cm from one of its end. What would be the fixing torque at the other end of the shaft if the shaft has a diameter of 5 cm and is 15 cm long with both ends rigidly fixed?

A:-800 Nm

B:-600 Nm

C:-200 Nm

D:-None of the above

Correct Answer:- Option-A

Question31:-A hollow circular shaft has inner and outer diameters 10 cm and 20 cm respectively. If this is replaced by a solid circular shaft of diameter 20 cm, how much more torque can be transmitted assuming the shear stress in both cases not to exceed 64 N/mm^2 ?

A:-$2\pi\times10^6 Nmm$

B:-$4\pi\times10^6 Nmm$

C:-$5\pi\times10^6 Nmm$

D:-$8\pi\times10^6 Nmm$

Correct Answer:- Option-A

Question32:-A Watt Governor has an angular velocity of 5 rad/s. Taking 'g' as 10 m/s^2, the percentage change in governor height when the angular velocity changes to 6 rad/s will be

A:-25 %

B:-5.5 %

C:-45 %

D:-30 %

Correct Answer:- Option-D

Question33:-The ratio of hoop stress to the maximum shear stress in the case of a thin cylinder subjected to internal fluid pressure is

A:-2 : 1

B:-4 : 1

C:-1 : 2

D:-8 : 1

Correct Answer:- Option-B

Question34:-Choose the correct statement

A:-Module is the number of teeth per unit pitch circle diameter

B:-Circular pitch is the number of teeth per unit pitch circle diameter

C:-Module is the length of pitch circle diameter per unit number of teeth

D:-Circular pitch is the length of pitch circle diameter per unit number of teeth

Correct Answer:- Option-C

Question35:-Which of the following is not true in Euler's column theory?

A:-The column material is perfectly elastic and obeys Hooke's law

B:-Crippling load is the sum of applied forces and the self-weight of the column when it starts to buckle

C:-Crippling load when both ends of the column are hinged will be four times the crippling load when one end is fixed and the other is free

D:-All of the above

Correct Answer:- Option-B

Question36:-Air standard efficiency of an Otto cycle is given by $1-\frac{1}{r^n}$, where r is the compression ratio. The value of 'n' in this equation is

A:-$\gamma-1$

B:-$\gamma+1$

C:-1

D:-γ

Correct Answer:- Option-A

Question37:-At what time sub cooling subcooling occurs?

A:-When the vapor has high latent heat

B:-When the vapor removes sensible heat from the refrigerant

C:-When the vapor has low latent heat

D:-When the vapor has high thermal conductivity

Correct Answer:- Option-B

Question38:-In a simple vapor compression cycle, the refringent is in the form of dry saturated vapor before entering

A:-Condenser

B:-Compressor

C:-Evaporator

D:-None of the above

Correct Answer:- Option-B

Question39:-The relative humidity of ambient air at 300 K is 50% with a partial pressure of water vapor equal to p_v. The saturation pressure of water 300 K is p_{sat}. The correct relation for the air-water mixture is

A:-$p_v = p_{sat}$

B:-$p_v = 3.5 p_{sat}$

C:-$p_v = 0.5 p_{sat}$

D:-$p_v = 0.622 p_{sat}$

Correct Answer:- Option-C

Question40:-The ratio of B.H.P. to I.H.P. of an I.C. Engine is called

A:-Volumetric efficiency

B:-Relative efficiency

C:-Thermal efficiency

D:-Mechanical efficiency

Correct Answer:- Option-D

Question41:-Which of the following non-dimensional terms is an estimate of Nusselt number?

A:-Non-dimensional velocity gradient multiplied by Grashoff number

B:-Non-dimensional temperature gradient

C:-Non dimensional Buoyancy force

D:-Non-dimensional velocity gradient multiplied by Prandtl number

Correct Answer:- Option-B

Question42:-Under which cycle does the vapor compression system work?

A:-Joule cycle

B:-Rankine cycle

C:-Dual cycle

D:-Reversed Carnot cycle

Correct Answer:- Option-D

Question43:-The thermal conductivity in S.I. unit is expressed as

A:-W/mk

B:-J/mK

C:-W/m^2 K

D:-Wm/K

Correct Answer:- Option-A

Question44:-Three metal walls at the same cross-sectional area having thermal resistance in the ratio 1:2:4 transfer heat at the rate of 6000 W. For the same wall thickness, the temperature drops will be in the ratio

A:-1:2:4

B:-1:1:1

C:-1:1/2:1/4

D:-1/4:1/2:1

Correct Answer:- Option-C

Question45:-In the case of a heat exchanger, the value of logarithmic mean temperature differentiate should be

A:-As large as possible

B:-As small as possible

C:-Constant

D:-Not a factor

Correct Answer:- Option-A

Question46:-An internal combustion engine has a swept volume of $600cm^3$ and a clearance volume of $60cm^3$. What is the compression ratio of the engine?

A:-6.6

B:-10

C:-11

D:-12

Correct Answer:- Option-C

Question47:-In a 4-stroke petrol engine, the inlet valve opens 10° before Top Dead Center (TDC) and closes 40° after Bottom Dead Center (BDC). The exhaust valve opens 50° before Bottom Dead Center (BDC) and closes 10° after Top Dead Center (TDC). What is the valve overlap period?

A:-10°

B:-20°

C:-30°

D:-40°

Correct Answer:- Option-B

Question48:-Which one of the following engine components is least likely to be influenced by creep in its design?

A:-Exhaust valve

B:-Piston crown

C:-Connecting rod

D:-Exhaust manifold

Correct Answer:- Option-C

Question49:-In a modern Gasoline Direct Injection (GDI) system, the fuel pump located at the fuel tank typically operates at around _____ bar, while the pump near the fuel injector operates at approximately ____ bar, respectively.

A:-200 and 5

B:-5 and 200

C:-5 and 5

D:-200 and 200

Correct Answer:- Option-B

Question50:-What is the primary function of a carburettor in a petrol engine?

A:-To inject fuel at high pressure into the combustion chamber

B:-To mix air and fuel in the correct ratio before it enters the engine

C:-To compress the air-fuel mixture

D:-To control exhaust emissions using catalytic reactions

Correct Answer:- Option-B

Question51:-The principle used by a carburettor to draw fuel into the air stream is :

A:-Bernoulli's principle

B:-Pascal's law

C:-Newton's third law

D:-Boyle's law

Correct Answer:- Option-A

Question52:-What controls the timing and duration of fuel injection in a CRDI system?

A:-Injector solenoid

B:-High-pressure pump

C:-Engine governor

D:-Electronic Control Unit (ECU)

Correct Answer:- Option-D

Question53:-Which oil grade would be more suitable for extremely cold climates?

A:-SAE 20W - 50

B:-SAE 15W - 40

C:-SAE 10W - 40

D:-SAE 5W - 30

Correct Answer:- Option-D

Question54:-What is the typical opening temperature range for a thermostat in a car engine?

A:-30°C - 50° C

B:-50°C - 67° C

C:-80°C - 92° C

D:-99°C - 120° C

Correct Answer:- Option-C

Question55:-Which coolant formulation is most commonly used in modern automotive engines to ensure efficient heat transfer, freeze protection, and corrosion resistance for mixed metal engine blocks?

A:-Distilled water with sodium silicate

B:-Ethylene glycol-water mixture with corrosion inhibitors

C:-Propylene glycol with mineral oil

D:-Alcohol-based coolant with zinc additives

Correct Answer:- Option-B

Question56:-An automotive battery is rated at 60 Ah (Ampere - hours). If it supplies a constant current of 5 A, how long can it theoretically supply this current before becoming fully discharged?

A:-6 hours

B:-10 hours

C:-12 hours

D:-15 hours

Correct Answer:- Option-C

Question57:-A 12V battery is charged with a current of 5 A for 4 hours. How much energy is supplied to the battery?

A:-20 Wh

B:-48 Wh

C:-240 Wh

D:-60 Wh

Correct Answer:- Option-C

Question58:-What type of battery is commonly used in electric vehicles (EVs)?

A:-Lead-acid

B:-Nickel-metal hydride

C:-Lithium-ion

D:-Alkaline-manganese

Correct Answer:- Option-C

Question59:-Which device is commonly used in modern automobiles to charge the battery and power electrical systems?

A:-Generator

B:-Alternator

C:-Inverter

D:-Rectifier

Correct Answer:- Option-B

Question60:-Which of the following is not a component of the spark ignition system?

A:-Spark plug

B:-Ignition coil

C:-Carburettor

D:-Distributor

Correct Answer:- Option-C

Question61:-Which material is commonly used for the center electrode in high-performance spark plugs?

A:-Aluminium

B:-Copper

C:-Iridium

D:-Steel

Correct Answer:- Option-C

Question62:-In automotive bulbs, what does 'H4" refer to?

A:-Battery type

B:-Fuse rating

C:-Dual-filament headlamp bulb specification

D:-Light intensity unit

Correct Answer:- Option-C

Question63:-Which components converts the rotary motion of the wiper motor into oscillating motion of the wiper arms?

A:-Relay switch

B:-Linkage mechanism

C:-Gearbox

D:-Washer pump

Correct Answer:- Option-B

Question64:-In a distributor-less ignition system (DLI), the ignition coil is :

A:-Shared by all cylinders

B:-Mounted directly on each spark plug

C:-Not required

D:-Used only during cold starts

Correct Answer:- Option-B

Question65:-Which of the following is not a function of the glow plug in a diesel engine?

A:-Provide spark for ignition

B:-Assist cold starting

C:-Preheat the combustion chamber

D:-Improve combustion at low temperatures

Correct Answer:- Option-A

Question66:-Match the two-wheeler frame types in column A with their corresponding characteristics in column B

Column A (Frame)	Column B (Characteristic)
A. Backbone	1. Surround the engine for enhanced cornering performance
B. Diamond	2. Ease of access and rider comfort
C. Perimeter	3. Optimized for weight distribution and strength using multiple tubes
D. Step-through	4. Lightweight and cost-effective
E. Trellis	5. Provides high rigidity and stability

A:-A1, B2, C3, D4, E5

B:-B1, C2, D3, E4, A5

C:-A4, B5, C1, D2, E3

D:-A2, B4, C5, D3, E1

Correct Answer:- Option-C

Question67:-Assertion (A) : Air suspension systems provide a more comfortable ride than conventional suspension systems.
Reason (R) : Air suspension allows dynamic adjustment of the air spring stiffness based on load and road conditions.

A:-Both (A) and (R) are true, and (R) is the correct explanation of (A)

B:-Both (A) and (R) are true, but (R) is not the correct explanation of (A)

C:-(A) is true, but (R) is false

D:-(A) is false, but (R) is true

Correct Answer:- Option-A

Question68:-What is the role of the Pitman arm in a steering gearbox?

A:-To transmit motion from the steering wheel to the gearbox

B:-To transmit motion from the gearbox to the steering linkage

C:-To absorb road shocks

D:-To adjust the steering ratio

Correct Answer:- Option-B

Question69:-What is the effect of excessive toe-out on a vehicle?

A:-Improved straight-line stability

B:-Increased tyre wear on the inner edges

C:-Reduced steering responsiveness

D:-Reduced oversteer during cornering

Correct Answer:- Option-B

Question70:-How does ABS affect braking on wet roads compared to traditional braking systems?

A:-It increases braking distance

B:-It locks the wheels to stop the vehicle faster

C:-It does not affect braking distance

D:-It reduces braking distance and improves control

Correct Answer:- Option-D

Question71:-What happens when the clutch pedal is pressed in a vehicle with a multi-plate clutch?

A:-The friction plates are engaged

B:-The friction plates are disengaged

C:-The engine power increases

D:-The transmission is locked

Correct Answer:- Option-B

Question72:-In a torque converter, what is the term used to describe the condition when the impeller and turbine rotate at nearly the same speed?

A:-Torque multiplication

B:-Stall speed

C:-Lock-up

D:-Slip

Correct Answer:- Option-C

Question73:-What is the role of the bead in a tyre?

A:-To ensure a secure fit between the tread and the sidewall

B:-To ensure a secure fit between the tyre and the wheel rim

C:-To reduce tyre wear

D:-To improve fuel efficiency

Correct Answer:- Option-B

Question74:-In a turbocharged internal combustion engine, what powers the turbine connected in the compressor?

A:-An external electric motor

B:-Rotation of the crankshaft

C:-Energy from exhaust gases

D:-Pressure of the intake air

Correct Answer:- Option-C

Question75:-Detonation in a spark-ignition engine results in

A:-Reduced fuel consumption

B:-Smooth and stable combustion

C:-Increased thermal efficiency

D:-Knocking noise and mechanical damage

Correct Answer:- Option-D

Question76:-Which of the following is not a suitable method for reducing diesel knock in a compression ignition engine?

A:-Using high cetane number fuel

B:-Raising the intake air temperature

C:-Lowering the injection pressure

D:-Improving fuel atomization

Correct Answer:- Option-C

Question77:-What does the term "available energy" (or exergy) signify in thermodynamics?

A:-The total amount of heat energy supplied to the system

B:-The portion of energy actually converted into work during a process

C:-The maximum useful work from a system

D:-The minimum amount of work required to complete a thermodynamic cycle

Correct Answer:- Option-C

Question78:-The internal energy change of an ideal gas during an isothermal process is

A:-Internal energy remains constant

B:-Internal energy equals the heat supplied

C:-Internal energy equals the work done by the gas

D:-Internal energy decreases

Correct Answer:- Option-A

Question79:-Which two processes in an air-standard Otto-cycle are reversible and adiabatic (isentropic)?

A:-Compression and expansion

B:-Heat addition and rejection

C:-Compression and heat rejection

D:-Expansion and heat addition

Correct Answer:- Option-A

Question80:-In Morse test, the indicated power of a multi-cylinder engine can be determined by

A:-Shutting down one cylinder at a time

B:-Measuring heat released

C:-Varying fuel supply to engine

D:-Using indicator diagrams

Correct Answer:- Option-A

Question81:-Which of the following tests is used to detect worn piston rings or valves?

A:-Emission test

B:-Compression test

C:-Tuning test

D:-Ignition test

Correct Answer:- Option-B

Question82:-Bleeding of a diesel fuel system is done to

A:-Increase fuel pressure

B:-Remove dirt from injectors

C:-Eliminate air from fuel lines

D:-Improve timing

Correct Answer:- Option-C

Question83:-Phasing in diesel F.I. pumps ensures

A:-Fuel is filtered before injection

B:-Pump and crankshaft rotate at same speed

C:-Injectors open at correct order and timing

D:-Engine oil pressure is maintained

Correct Answer:- Option-C

Question84:-Excessive tyre wear on both outer edges of the tread is usually a sign of

A:-Overinflation

B:-Underinflation

C:-Excessive camber

D:-Misaligned toe angle

Correct Answer:- Option-B

Question85:-Play in the steering gearbox is usually corrected by adjusting

A:-Toe-in angle

B:-Sector shaft clearance

C:-Kingpin inclination

D:-Torsion bar preload

Correct Answer:- Option-B

Question86:-In hydraulic brakes, a spongy brake pedal is typically caused by

A:-Overheated drums

B:-Worn-out wheel cylinder

C:-Air trapped in brake lines

D:-Improper tyre pressure

Correct Answer:- Option-C

Question87:-Which of the following body construction methods offers better crash safety and weight reduction?

A:-Body-on-frame construction

B:-Unitised frame and body construction

C:-Channel frame construction

D:-Three-quarter floating frame

Correct Answer:- Option-B

Question88:-Fiberglass used in car body construction is a composite of glass fibres and :

A:-Copper

B:-Epoxy or resin matrix

C:-Teflon

D:-Carbon steel

Correct Answer:- Option-B

Question89:-An AGV (Automatic Guided Vehicle) is most commonly used in :

A:-Passenger transport

B:-Urban roadways

C:-Industrial automation and cargo movement

D:-Highway patrolling

Correct Answer:- Option-C

Question90:-Super elevation is provided in roads to counteract :

A:-Wind force

B:-Skidding on curves

C:-Passenger discomfort

D:-Dust accumulation

Correct Answer:- Option-B

Question91:-Who is a 'Good Samaritan' as envisaged in Section 134A of Motor Vehicles Act 1988?
(i) One who is providing medical care to the victims of accident
(ii) One who is providing non-medical care or assistance at the scene of accident
(iii) One who is providing legal aid to the victim
(iv) One who transports victim to the hospital

A:-(i) and (ii) only

B:-(i), (ii) and (iv) only

C:-(i), (ii) and (iii) only

D:-(iv) only

Correct Answer:- Option-B

Question92:-A heavy goods vehicle means a goods vehicle whose gross vehicle weight exceeds

A:-7500 kg

B:-13500 kg

C:-12000 kg

D:-16000 kg

Correct Answer:- Option-C

Question93:-In an intersection of two major roads, preference should be given to

A:-Vehicles coming from opposite side

B:-Vehicles having larger size

C:-Vehicles coming from left side

D:-Vehicles coming from right side

Correct Answer:- Option-D

Question94:-Which of the following are the manual hand signals to be shown in vehicles not fitted with electrical or mechanical signal in devices?
(i) Stop signal
(ii) Right turn signal
(iii) Slow down signal
(iv) Left turn signal
(v) Signal permitting to overtake

A:-(i), (ii), (iii), (iv) and (v)

B:-(i), (ii), (iii) and (iv)

C:-(ii), (iii), (iv) and (v)

D:-(i), (ii), (iv) and (v)

Correct Answer:- Option-D

Question95:-What is safe distance?

A:-15 meters

B:-Sufficient distance so as to be able to stop safely

C:-Distance equivalent to the length of the vehicle going ahead

D:-5 meters

Correct Answer:- Option-B

Question96:-In case a vehicle with more than two wheels has broken at a place where it can be recognised in time as a stationary vehicle, the reflective traffic warning triangles shall be placed behind the broken down vehicle and at what distance?

A:-45 meters

B:-50 meters

C:-75 meters

D:-100 meters

Correct Answer:- Option-B

Question97:-The priority within the emergency vehicles with regard to right of way over all other vehicles.

A:-First an ambulance
Second a fire service vehicle
Third a Police vehicle
Fourth any other emergency management vehicle

B:-First a fire service vehicle
Second an ambulance
Third any emergency management vehicle
Fourth a Police vehicle

C:-First an ambulance
Second a fire service vehicle
Third any other emergency management vehicle
Fourth a Police vehicle

D:-First a fire service vehicle
Second an ambulance
Third a police vehicle
Fourth any emergency management vehicle

Correct Answer:- Option-D

Question98:-What is Lane splitting (Lane within a lane)

A:-A four lane road merges with a six lane road

B:-Stage carriages moves from one lane to bus bay in order to pick or set down passengers

C:-Motorcyclists filter between three and four wheeled vehicles in urban areas

D:-When a six lane road merges with a four lane road

Correct Answer:- Option-C

Question99:-Which of the following acts when done by a holder of a driving licence shall result in disqualification of driving licence
(i) Theft of motor vehicle
(ii) Carrying overload in goods carriages

(iii) Failure to stop when signaled to do so by any person authorised to do so
(iv) Transport of goods prohibited under any law

A:-(ii), (iii) and (iv)

B:-(i), (ii), (iii) and (iv)

C:-(ii) and (iii)

D:-(i), (ii) and (iii)

Correct Answer:- Option-B

Question100:-Which of the following are correct?
(i) The vehicle which is to overtake and the vehicle which is to be overtaken are both driving on a multi-lane road and the vehicle ahead can be safely overtaken in a marked lane to the left of the vehicle being overtaken
(ii) The vehicle to be overtaken in either turning right or making a 'U' turn from the centre of the road and is giving a signal to turn and it would be safe to overtake it from the left
(iii) The vehicle to be overtaken is stationary and it is safe to pass it from the left

A:-(i), (ii) and (iii)

B:-(i) and (iii)

C:-(ii) and (iii)

D:-(i) and (ii)

Correct Answer:- Option-A