

Railway Recruitment Board

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name: Junior Engineer 26th Aug Shift 3 Actual
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Junior Engineer

Section Id : 3
Section Number : 1
Section type : Online
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Junior Engineer

Sub-Section Number: 1
Sub-Section Id: 3
Question Shuffling Allowed : Yes

**Question Number : 1 Question Id : 301 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33**

ZerOTH law of thermodynamics forms the basis of measurement of

Options :

- ✗ Pressure
- ✓ Temperature

3. ✘ Heat exchange

4. ✘ Work

Question Number : 2 Question Id : 302 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Internal energy is defined by

Options :

1. ✘ Zeroth law of thermodynamics

2. ✔ First law of thermodynamics

3. ✘ Second law of thermodynamics

4. ✘ Law of entropy

Question Number : 3 Question Id : 303 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The concept of overall heat transfer is used in the heat transfer in the case of

Options :

1. ✘ Conduction

2. ✘ Convection

3. ✘ Radiation

4. ✔ Combined mode of heat transfer of conduction and convection

Question Number : 4 Question Id : 304 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The unit of thermal conductivity in S.I. unit is

Options :

1. ✔ W/mK

2. ✘ W²/mK

3. ✘ W/m²K

4. ✘ W/m

Question Number : 5 Question Id : 305 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

All radiations in a black body are

Options :

1. ✘ Reflected

2. ✘ Refracted

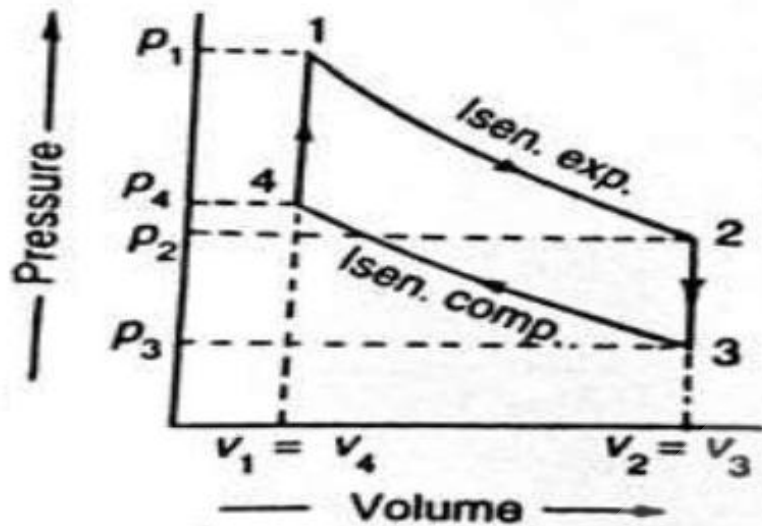
3. ✘ Transmitted

4. ✔ Absorbed

Question Number : 6 Question Id : 306 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The given P-V diagram indicates following cycle



Options :

1. Carnot cycle
2. Otto cycle
3. Diesel cycle
4. Dual cycle

Question Number : 7 Question Id : 307 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If the cut-off ratio is decreased, the efficiency of diesel cycle

Options :

1. Increases
2. Decreases
3. Remains constant
4. May increase or decrease

Question Number : 8 Question Id : 308 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Size of shaper is specified by

Options :

1. Size of table
2. Length of stroke
3. Power of motor
4. Ratio of forward to return stroke

Question Number : 9 Question Id : 309 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following is an example of orthogonal cutting?

Options :

1. ✘ Shaping
2. ✔ Turning
3. ✘ Drilling
4. ✘ Milling

Question Number : 10 Question Id : 310 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Grey cast iron is usually welded by

Options :

1. ✔ Gas welding
2. ✘ Resistance welding
3. ✘ Arc welding
4. ✘ Thermit welding

Question Number : 11 Question Id : 311 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A grinding wheel of 150 mm diameter is rotating at 3000 rpm. The grinding speed is

Options :

1. ✔ 7.5π m/sec
2. ✘ 15π m/sec
3. ✘ 45π m/sec
4. ✘ 450π m/sec

Question Number : 12 Question Id : 312 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In Die casting, machining allowance is

Options :

1. ✘ Small
2. ✘ Large
3. ✘ Very large
4. ✔ Not provided

Question Number : 13 Question Id : 313 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The grinding operation is a

Options :

1. ✘ Shaping operation
2. ✘ Forming operation
3. ✔ Surface finishing operation
4. ✘ Dressing operation

Question Number : 14 Question Id : 314 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The process in which leaving a tab without removing any material is

Options :

1. ✘ Notching
2. ✔ Lancing
3. ✘ Parting
4. ✘ Slitting

Question Number : 15 Question Id : 315 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Steel rails are welded by

Options :

1. ✘ Gas welding
2. ✔ Thermit welding
3. ✘ Resistance welding
4. ✘ Argon arc welding

Question Number : 16 Question Id : 316 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

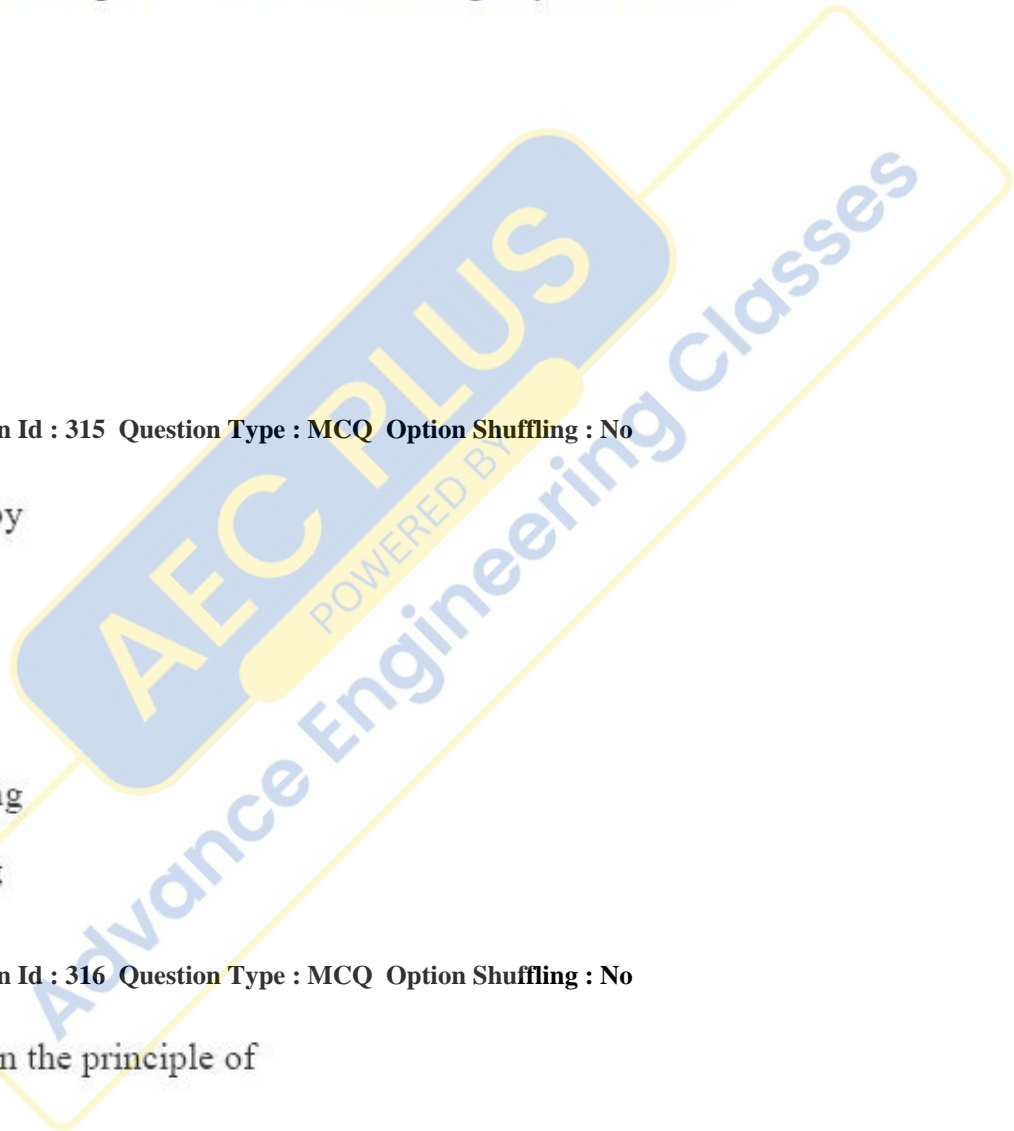
D.C. generator works on the principle of

Options :

1. ✔ Electromagnetic Induction
2. ✘ Ohm's Law
3. ✘ Lenz's Law
4. ✘ Kirchoff's Law

Question Number : 17 Question Id : 317 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33



Thermal relays are used in

Options :

1. ✓ motor starters
2. ✗ switchgear protection
3. ✗ transformer protection
4. ✗ generators

Question Number : 18 Question Id : 318 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The most commonly used moderator in a Nuclear reactor is

Options :

1. ✗ graphite
2. ✗ oil
3. ✗ oxygen
4. ✓ heavy water

Question Number : 19 Question Id : 319 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Over speed protection of a generator is done by

Options :

1. ✓ Governor
2. ✗ Differential protection
3. ✗ Over current relay
4. ✗ Alarm

Question Number : 20 Question Id : 320 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The motor which does not have winding on it, is

Options :

1. ✗ Repulsion
2. ✗ Reluctance
3. ✓ Hysteresis
4. ✗ Universal

Question Number : 21 Question Id : 321 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is not fitted on transformer?

Options :

1. ✓ Commutator
2. ✗ Breather
3. ✗ Conservator
4. ✗ Buchholz Relay

Question Number : 22 Question Id : 322 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Open circuit test in transformers is conducted to determine

Options :

1. ✗ hysteresis losses
2. ✗ copper losses
3. ✓ core losses
4. ✗ eddy current losses

Question Number : 23 Question Id : 323 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The given figure is the Torque-Current characteristics of



Options :

1. ✗ Cumulative Compound motor
2. ✗ Shunt motor
3. ✗ Series motor
4. ✓ Differential Compound motor

Question Number : 24 Question Id : 324 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is not a non-linear element?

Options :

1. ✘ Gas diode
2. ✔ Heater coil
3. ✘ Tunnel diode
4. ✘ Electric arc

Question Number : 25 Question Id : 325 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is known as metal rectifier?

Options :

1. ✘ Selenium disc rectifier
2. ✔ Copper oxide rectifier
3. ✘ Gas tube diode
4. ✘ Varactor diode

Question Number : 26 Question Id : 326 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

For full-wave rectified sine wave, form factor is

Options :

1. ✘ 1.41
2. ✔ 1.11
3. ✘ 1.5
4. ✘ 1.28

Question Number : 27 Question Id : 327 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Electron pair bonding occurs when atoms

Options :

1. ✘ lack electrons
2. ✘ lack holes
3. ✔ share electrons
4. ✘ share holes

Question Number : 28 Question Id : 328 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In a p type semiconductor, minority carriers are

Options :

1. ✘ holes
2. ✔ electrons
3. ✘ dopants
4. ✘ atoms

Question Number : 29 Question Id : 329 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is a pentavalent material?

Options :

1. ✘ carbon
2. ✘ boron
3. ✔ phosphorus
4. ✘ silicon

Question Number : 30 Question Id : 330 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Another name for a unity gain amplifier is

Options :

1. ✘ difference amplifier
2. ✘ comparator
3. ✘ single ended
4. ✔ voltage follower

Question Number : 31 Question Id : 331 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

At room temperature, the current in intrinsic semiconductor is due to

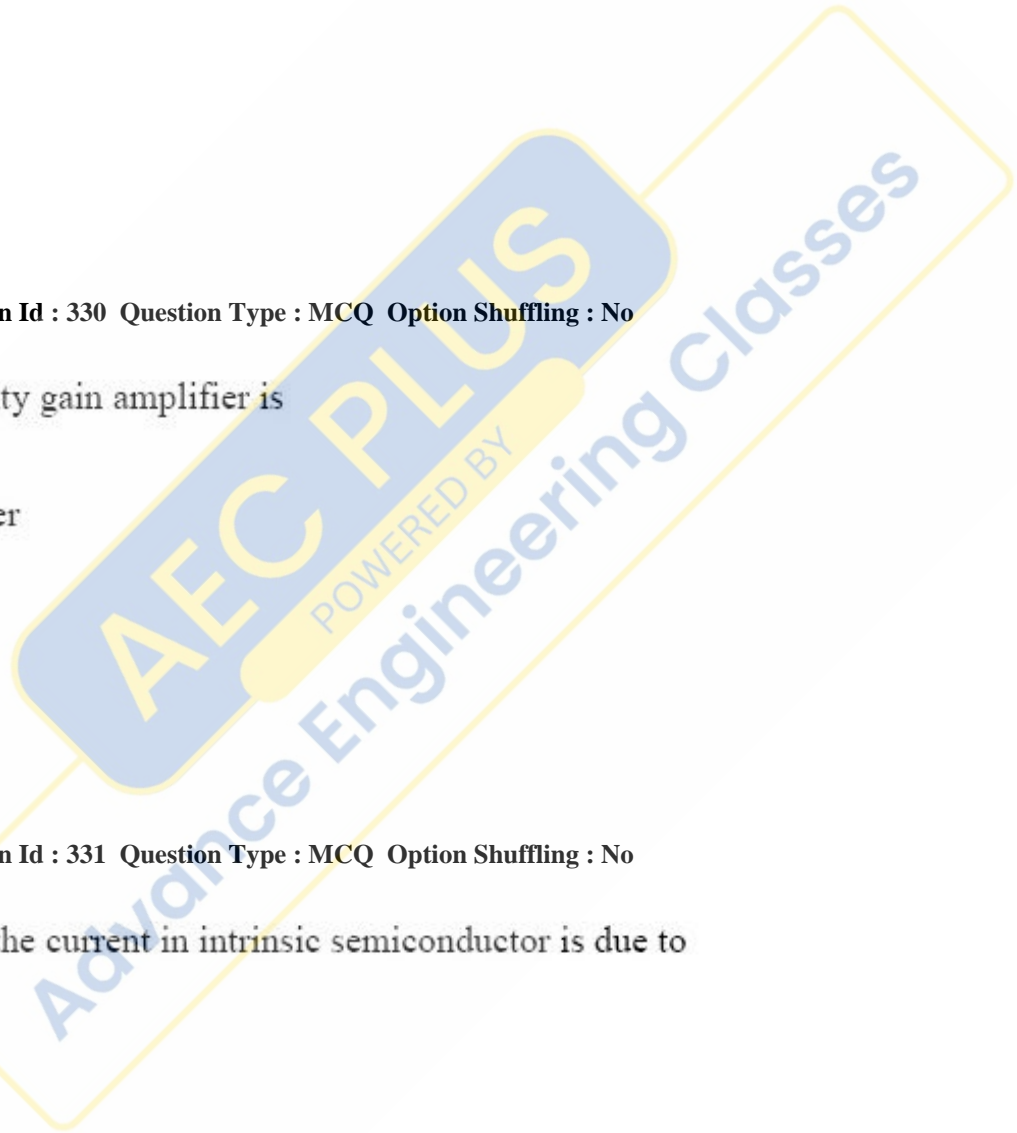
Options :

1. ✘ holes
2. ✘ electrons
3. ✘ ions
4. ✔ holes and electrons both

Question Number : 32 Question Id : 332 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

$AB + AB' =$

Options :



- ✘ B
- ✔ A
- ✘ 1
- ✘ 0

Question Number : 33 Question Id : 333 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following devices has one input and many outputs?

Options :

- ✘ Multiplexer
- ✔ Demultiplexer
- ✘ flip-flop
- ✘ Counter

Question Number : 34 Question Id : 334 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The number of bits in ASCII is

Options :

- ✔ 7
- ✘ 8
- ✘ 9
- ✘ 10

Question Number : 35 Question Id : 335 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Poise can also be expressed as

Options :

- ✘ Dyne-cm/s²
- ✘ Dyne-cm/s
- ✘ Dyne-s/cm
- ✔ Dyne-s/cm²

Question Number : 36 Question Id : 336 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Number of phases in soil mass is

Options :

1. ✓ 3

2. ✗ 2

3. ✗ 1

4. ✗ 4

Question Number : 37 Question Id : 337 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Bolts are most suitable to carry

Options :

1. ✗ Shear

2. ✗ Bending

3. ✓ Axial tension

4. ✗ Shear and bending

Question Number : 38 Question Id : 338 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Spherical shape of droplets of mercury is due to

Options :

1. ✗ High density

2. ✓ High surface tension

3. ✗ High adhesion

4. ✗ Water

Question Number : 39 Question Id : 339 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The method of orienting a plane table with two inaccessible points is known as

Options :

1. ✗ Intersection

2. ✗ Resection

3. ✗ Back sighting

4. ✓ Two-point problem

Question Number : 40 Question Id : 340 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The most likely time (m) is 'mode' of the

Options :

1. ✗ Normal distribution

2. ✓ Beta distribution
3. ✗ Binomial distribution
4. ✗ Poisson distribution

Question Number : 41 Question Id : 341 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following timbers is suitable for making sports goods?

Options :

1. ✓ Mulberry
2. ✗ Mahogany
3. ✗ Sal
4. ✗ Deodar

Question Number : 42 Question Id : 342 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Cement concrete is a

Options :

1. ✗ Elastic material
2. ✓ Visco-elastic material
3. ✗ Non elastic material
4. ✗ Plastic material

Question Number : 43 Question Id : 343 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is used to measure the discharge?

Options :

1. ✗ Current meter
2. ✓ Venturimeter
3. ✗ Pitot tube
4. ✗ Hotwire anemometer

Question Number : 44 Question Id : 344 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Direct method of contouring is

Options :

1. ✗ A quick method
2. ✗ Adopted for large surveys only

3. ✓ Most accurate method
4. ✗ Suitable for hilly terrains

Question Number : 45 Question Id : 345 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following soils has more plasticity index?

Options :

1. ✗ Sand
2. ✗ Silt
3. ✓ Clay
4. ✗ Gravel

Question Number : 46 Question Id : 346 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Seasoning of timber is required to

Options :

1. ✗ Soften the timber
2. ✗ Harden the timber
3. ✗ Straighten the timber
4. ✓ Remove sap from the timber

Question Number : 47 Question Id : 347 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

An instrument transformer is used to extend the range of

Options :

1. ✓ induction instrument
2. ✗ electrostatic instrument
3. ✗ moving coil instrument
4. ✗ PMMC instrument

Question Number : 48 Question Id : 348 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Wattmeter cannot be designed on the principle of

Options :

1. ✗ electrostatic instrument
2. ✗ thermocouple instrument
3. ✓ moving iron instrument
4. ✗ electrodynamic instrument

Question Number : 49 Question Id : 349 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In an energy meter, braking torque is produced to

Options :

1. ✘ safe guard it against creep
2. ✘ brake the instrument
3. ✘ bring energy meter to stand still
4. ✔ maintain steady speed and equal to driving torque

Question Number : 50 Question Id : 350 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Resistances can be measured with the help of

Options :

1. ✘ wattmeters
2. ✘ voltmeters
3. ✘ ammeters
4. ✔ ohmmeters and resistance bridges

Question Number : 51 Question Id : 351 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following essential features is possessed by an indicating instrument?

Options :

1. ✘ Deflecting device
2. ✘ Controlling device
3. ✘ Damping device
4. ✔ Deflecting, controlling and damping device

Question Number : 52 Question Id : 352 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Per capita water demand is

Options :

1. ✘ average amount of daily water required by one person
2. ✘ monthly average amount of daily water required by one person
3. ✔ annual average amount of daily water required by one person
4. ✘ weekly average amount of daily water required by one person

Question Number : 53 Question Id : 353 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The permissible/desirable drinking water standard for total hardness is

Options :

1. ✘ 200 mg/l
2. ✔ 300 mg/l
3. ✘ 250 mg/l
4. ✘ 500 mg/l

Question Number : 54 Question Id : 354 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In BOD₅ determination of sewage, the initial dissolved oxygen is measured to be 8.3 mg/l. However, after 5 day incubation at 20 °C temperature, the dissolved oxygen is found to be 2.3 mg/l. If the dilution factor is 1:60, the BOD₅ of the sewage would be

Options :

1. ✘ 360 mg/l
2. ✘ 260 mg/l
3. ✔ cannot be determined
4. ✘ 6.0 mg/l

Question Number : 55 Question Id : 355 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The continuous exposure of high concentration of carbon monoxide may cause

Options :

1. ✘ damage of alveoli
2. ✘ kidney damage
3. ✘ failure of respiratory system
4. ✔ coma followed by death

Question Number : 56 Question Id : 356 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The frequency range of audibility of a healthy person with perfect hearing is

Options :

1. ✘ 200 to 10000 Hz
2. ✘ 2000 to 5000 Hz
3. ✔ 20 to 20,000 Hz

4. ✘ 20 to 2000 Hz

Question Number : 57 Question Id : 357 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The green house gases as per their increasing order of effectiveness are

Options :

1. ✔ CO₂, CH₄, N₂O and CFC
2. ✘ CH₄, CO₂, N₂O and CFC
3. ✘ N₂O, CH₄, CO₂ and CFC
4. ✘ CFC, CH₄, CO₂ and N₂O

Question Number : 58 Question Id : 358 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Printer is a(an) _____

Options :

1. ✘ Input device
2. ✔ Output device
3. ✘ Storage device
4. ✘ Both input and output device

Question Number : 59 Question Id : 359 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following is not true about EPROM?

Options :

1. ✘ Random access memory
2. ✘ Erasable programmable read only memory
3. ✘ Non-volatile memory
4. ✔ Sequential access memory

Question Number : 60 Question Id : 360 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following components of CPU temporarily stores data for ALU operations?

Options :

1. ✘ Arithmetic and Logic Unit (ALU)
2. ✘ Control Unit (CU)
3. ✔ Registers

4. ✖ Random Access Memory (RAM)

Question Number : 61 Question Id : 361 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

BCD coding scheme uses _____ bits to code decimal digits.

Options :

1. ✔ 4
2. ✖ 8
3. ✖ 16
4. ✖ 32

Question Number : 62 Question Id : 362 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The binary representation of 195.5 is _____

Options :

1. ✖ $(11000001.01)_2$
2. ✖ $(11000001.11)_2$
3. ✖ $(11000011.01)_2$
4. ✔ $(11000011.10)_2$

Question Number : 63 Question Id : 363 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Considering X as a binary variable, the Boolean expression $X.1$ is equivalent to

Options :

1. ✔ X
2. ✖ 1
3. ✖ 0
4. ✖ X'

Question Number : 64 Question Id : 364 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The 2's complement of the binary number $(00000000)_2$ is

Options :

1. ✖ $(11111111)_2$
2. ✔ $(00000000)_2$
3. ✖ $(10101010)_2$
4. ✖ $(01010101)_2$

Question Number : 65 Question Id : 365 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A proprietary technology developed by Microsoft that allows embedding and linking to documents and other objects is

Options :

1. ✘ DOM
2. ✘ MODEM
3. ✔ OLE
4. ✘ OpenDoc

Question Number : 66 Question Id : 366 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Class 'B' IP addresses use _____ bits for Network ID.

Options :

1. ✘ 8
2. ✔ 16
3. ✘ 24
4. ✘ 32

Question Number : 67 Question Id : 367 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following is not a Web browser?

Options :

1. ✘ Netscape Navigator
2. ✘ NetSurf
3. ✔ XML
4. ✘ Opera

Question Number : 68 Question Id : 368 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The diagonal scale is used to represent

Options :

1. ✔ three consecutive units
2. ✘ two consecutive units
3. ✘ diagonal of square
4. ✘ diagonal of rectangle

Question Number : 69 Question Id : 369 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If a line is parallel to H.P. and inclined to V.P., its true length will be seen in

Options :

1. ✘ Front view
2. ✔ Top view
3. ✘ Side view
4. ✘ Both front and top views

Question Number : 70 Question Id : 370 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If both the front and top views of a plane are straight lines, it may be

Options :

1. ✔ perpendicular to both horizontal and vertical planes
2. ✘ parallel to horizontal plane and perpendicular to vertical plane
3. ✘ perpendicular to horizontal plane and parallel to vertical plane
4. ✘ parallel to both horizontal and vertical planes

Question Number : 71 Question Id : 371 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For orthographic projections, BIS recommends the following projections.

Options :

1. ✘ Fourth-angle projection
2. ✘ Third-angle projection
3. ✔ First-angle projection
4. ✘ Second-angle projection

Question Number : 72 Question Id : 372 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A square lamina is perpendicular to the H.P. and inclined to V.P. Its

Options :

1. ✔ V.T. will be perpendicular to the reference line
2. ✘ H.T. will be parallel to the reference line
3. ✘ V.T. will be parallel to the reference line
4. ✘ V.T. will be inclined to the reference line

Question Number : 73 Question Id : 373 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A truck of mass 1000 kg moving at a speed of 20 m/s is braked suddenly with a braking force of 5000 N. The distance travelled by the truck before stopping is

Options :

1. ✘ 20 m
2. ✘ 30 m
3. ✔ 40 m
4. ✘ 80 m

Question Number : 74 Question Id : 374 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A cubical box (each side 10 cm) of weight 19.6 N is placed on a table. The pressure exerted by the box on the table is

Options :

1. ✘ 19.6 N/m²
2. ✔ 1.96×10^3 N/m²
3. ✘ 1.96 N/m²
4. ✘ 0.98×10^3 N/m²

Question Number : 75 Question Id : 375 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Rohan does 150 J of work in 5 s. The power delivered by him is

Options :

1. ✔ 30 W
2. ✘ 15 W
3. ✘ 150 W
4. ✘ 750 W

Question Number : 76 Question Id : 376 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For a sound wave, the amplitude is

Options :

1. ✘ the distance between two consecutive crests
2. ✘ the distance between two consecutive troughs
3. ✘ the height difference between a crest and a trough
4. ✔ one-half the height difference between a crest and a trough.

Question Number : 77 Question Id : 377 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

An object and a screen are separated by 25 cm. When a convex lens is placed between them at a distance of 5 cm from the object, a sharp image is formed on the screen. The focal length of the lens is

Options :

1. ✘ 20 cm
2. ✘ 6.67 cm
3. ✔ 4.0 cm
4. ✘ 2.0 cm.

Question Number : 78 Question Id : 378 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two conducting wires A (resistance R_A) and B (resistance R_B) are made of same material and have the same length. If the diameter of wire B is twice that of wire A, the ratio R_A / R_B is

Options :

1. ✔ 4
2. ✘ 1/4
3. ✘ 1/2
4. ✘ 1.

Question Number : 79 Question Id : 379 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For its complete combustion, one mole of an alkane required 3.5 mole of oxygen gas at the same temperature and pressure. What is the name of alkane?

Options :

1. ✘ Methane
2. ✔ Ethane
3. ✘ Propane
4. ✘ Butane

Question Number : 80 Question Id : 380 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following is a molecule of an element?

Options :

1. ✔ Cl_2

2. ✘ H₂S

3. ✘ NaCl

4. ✘ CO₂

Question Number : 81 Question Id : 381 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Rancidity of oils and fats can be controlled by controlling the process of

Options :

1. ✘ Decomposition

2. ✘ Neutralization

3. ✘ Reduction

4. ✔ Oxidation

Question Number : 82 Question Id : 382 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

An element X contains only one electron in its outermost shell. Which of the following statements are correct about X ?

i) It forms an acidic oxide.

ii) It forms a basic oxide.

iii) It is a good conductor of electricity.

iv) It has a dull and non lustrous surface

Options :

1. ✘ (i) & (iii)

2. ✔ (ii) & (iii)

3. ✘ (i) & (iv)

4. ✘ (iii) & (iv)

Question Number : 83 Question Id : 383 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following can act as an olfactory indicator?

Options :

1. ✘ Phenolphthalein

2. ✘ Methyl orange

3. ✔ Vanilla essence

4. ✘ Litmus solution

Question Number : 84 Question Id : 384 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following elements is the most metallic in nature?

Options :

1. ✔ Na

2. ✘ Al

3. ✘ Li

4. ✘ B

Question Number : 85 Question Id : 385 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Scientific names of living beings consist of

Options :

1. ✘ one word

2. ✔ two words

3. ✘ four words

4. ✘ more than four words

Question Number : 86 Question Id : 386 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Human heart is made of cardiac muscle fibres because these are

Options :

1. ✘ striated and involuntary

2. ✔ involuntary and without fatigue

3. ✘ voluntary and do not stop contracting

4. ✘ voluntary and fibres are connected

Question Number : 87 Question Id : 387 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Leaves of cacti are modified into spines to reduce transpiration. This is an adaptation to which feature of their habitat?

Options :

1. ✔ Scarcity of water

2. ✘ Lack of rainfall

3. ✘ Hot daytime

4. ✘ Cool nights

Question Number : 88 Question Id : 388 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which organ of the digestive system gets affected by the disease Jaundice/Hepatitis?

Options :

1. ✔ Liver

2. ✘ Pancreas

3. ✘ Stomach

4. ✘ Kidney

Question Number : 89 Question Id : 389 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which out of the following is not a Green House Gas?

Options :

1. ✘ Carbon Dioxide

2. ✔ Nitrogen

3. ✘ Sulphur Dioxide

4. ✘ Nitrous Oxide

Question Number : 90 Question Id : 390 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In which one of the following is DNA present?

Options :

1. ✓ Genes
2. ✗ Ribosomes
3. ✗ Vacuoles
4. ✗ Golgi

Question Number : 91 Question Id : 391 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The HCF of two numbers is 15 and their LCM is 270. If one number is 45, the other number is

Options :

1. ✗ 18
2. ✓ 90
3. ✗ 81
4. ✗ 675

Question Number : 92 Question Id : 392 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The largest number which divides 247 and 319, leaving remainders 7 and 4 respectively is

Options :

1. ✓ 15
2. ✗ 30
3. ✗ 45
4. ✗ 56

Question Number : 93 Question Id : 393 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If $a : b = 5 : 6$ and $b : c = 3 : 4$, then $c : a$ is

Options :

1. ✘ 4 : 5

2. ✘ 5 : 4

3. ✔ 8 : 5

4. ✘ 5 : 8

Question Number : 94 Question Id : 394 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If 8, 12, 14, x are in proportion, then x is equal to

Options :

1. ✘ 18

2. ✘ 20

3. ✔ 21

4. ✘ 28

Question Number : 95 Question Id : 395 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Successive discounts of 40% and 20% are equivalent to a single discount of

Options :

1. ✘ 60%

2. ✘ 55%

3. ✘ 54%

4. ✔ 52%

Question Number : 96 Question Id : 396 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The simple interest on rupees 800 for $\frac{3}{2}$ years at 5% per annum is

Options :

1. ✔ ₹100

2. ✘ ₹ 125

3. ✘ ₹ 150

4. ✘ ₹ 200

Question Number : 97 Question Id : 397 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The compound interest on rupees 12000 for 1 year at 10% per annum compounded half yearly is

Options :

1. ✘ ₹ 1200

2. ✔ ₹ 1230

3. ✘ ₹ 2520

4. ✘ ₹ 2680

Question Number : 98 Question Id : 398 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If CP of 25 articles is equal to SP of 20 articles, then in the whole transaction there is a profit of

Options :

1. ✘ 10%

2. ✘ 20%

3. ✔ 25%

4. ✘ 30%

Question Number : 99 Question Id : 399 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

To gain 25% after allowing a discount of 10%, the shopkeeper should mark the price of the article which cost him ₹ 720 as

Options :

1. ✘ 10%

2. ✘ 20%

3. ✘ 25%

30%

4. ✓

Question Number : 100 Question Id : 400 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A shopkeeper mixes 26 kg of rice which costs him ₹ 100 per kg with 30 kg of rice which costs him ₹ 180 per kg. He sells the mixed rice at ₹ 150 per kg.. The percentage gain is

Options :

1. ✗ 10%

2. ✗ $\frac{100}{21}$ %

3. ✗ 7 %

4. ✓ 5 %

Question Number : 101 Question Id : 401 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In two vessels A and B, the spirit and water are in the ratio of 5 : 2 and 7 : 6 respectively. The ratio in which these are mixed to obtain new mixture which contains spirit and water in the ratio 3 : 2 is

Options :

1. ✗ 5 : 12

2. ✗ 3 : 2

3. ✓ 7 : 13

4. ✗ 35 : 12

Question Number : 102 Question Id : 402 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The speed of a boat in still water is 15 km/hr. The speed of the stream is 3 km/hr. The time taken to go 12 km downstream in minutes is

Options :

1. ✓ 40

45

2. ✘

50

3. ✘

55

4. ✘

Question Number : 103 Question Id : 403 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A train 200 m long is moving at 40 km/hr. The time in seconds, it will take to pass another train 150 long which is moving at 50 km/h in the opposite direction from the moment they meet is

Options :

8

1. ✘

12

2. ✘

14

3. ✔

117

4. ✘

Question Number : 104 Question Id : 404 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A can do a piece of work in 15 days and B can do the same work in 10 days. If they work together, number of days required to complete the same work is

Options :

5

1. ✘

6

2. ✔

7

3. ✘

8

4. ✘

Question Number : 105 Question Id : 405 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

P and Q can do a piece of work in 10 days, Q and R in 12 days and R and P in 15 days. In how many days P alone can do the same work?

Options :

24

1. ✔

2. ✘ 40

3. ✘ 6

4. ✘ $\frac{40}{3}$

Question Number : 106 Question Id : 406 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The average of first six even whole numbers is

Options :

1. ✔ 5

2. ✘ 6

3. ✘ 7

4. ✘ 8

Question Number : 107 Question Id : 407 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The average marks of students of section A and B are respectively 60 and 70. The number of students in section A is 47 and in section B is 53. The average marks of both sections taken together are

Options :

1. ✘ 65.5

2. ✔ 65.3

3. ✘ 65.6

4. ✘ 65.8

Question Number : 108 Question Id : 408 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The first term of an AP is -5 and third term is 17. Its seventh term is

Options :

1. ✘ 31

2. ✘ 41

3. ✓ 61

4. ✗ 71

Question Number : 109 Question Id : 409 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The 12th term of the G.P 1, -3, 9, -27, ..., is

Options :

1. ✗ 3^{12}

2. ✗ -3^{12}

3. ✗ 3^{11}

4. ✓ -3^{11}

Question Number : 110 Question Id : 410 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A ladder just reaches the top of a wall. The foot of the ladder is 8m away from the foot of the wall. The ladder makes an angle of 60° with the ground. The length of the ladder is

Options :

1. ✗ 4 m

2. ✓ 16 m

3. ✗ $\frac{16\sqrt{3}}{3}$ m

4. ✗ $16\sqrt{3}$ m

Question Number : 111 Question Id : 411 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

From a point on the bridge across a river the angle of depressions of the bank on the opposite side of the river are 60° and 45° respectively. If the bridge is at a height of 3m from the bank, the width of the river is

Options :

1. ✗ $2(\sqrt{3} + 1)$ m

2. ✘ $3(\sqrt{3} + 1) \text{ m}$

3. ✘ $3 - \sqrt{3} \text{ m}$

4. ✔ $3 + \sqrt{3} \text{ m}$

Question Number : 112 Question Id : 412 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If $(x - 1)$ is a factor of $3x^3 - 2ax^2 - 3x + 6$, then a is equal to

Options :

1. ✔ 3

2. ✘ -3

3. ✘ +6

4. ✘ -6

Question Number : 113 Question Id : 413 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

One of the factors of $(81x^2 - 1) + (1 + 9x)^2$ is

Options :

1. ✔ $18x$

2. ✘ $9 + x$

3. ✘ $9 - x$

4. ✘ $9x - 1$

Question Number : 114 Question Id : 414 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

All values of k for which $x^2 - kx + 9 = 0$ has real roots is

Options :

1. ✘ $-6 \leq k \leq 6$

2. ✔ $6 \leq k \leq -6$

3. ✘ $k \geq 6$

4. ✘ $k \leq -6$

Question Number : 115 Question Id : 415 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The sum and product of the roots of the equation $x^2 - 8x + 4 = 0$ are respectively

Options :

1. ✘ $-8, 4$

2. ✘ $8, -4$

3. ✔ $8, 4$

4. ✘ $-8, -4$

Question Number : 116 Question Id : 416 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The football player has to leave the field if the referee shows him

Options :

1. ✘ Green card once

2. ✘ Yellow card once

3. ✘ Green card twice

4. ✔ Yellow card twice or Red card once

Question Number : 117 Question Id : 417 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The first Indian to win an Olympic gold medal in an individual capacity was

Options :

1. ✔ Abhinav Bindra

2. ✘ Milkha Singh

3. ✘ PT Usha

4. ✘ Vijender Kumar

Question Number : 118 Question Id : 418 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

When you touch a hot plate and immediately withdraw your hand, the action is triggered by your

Options :

1. ✘ Brain
2. ✔ Spinal Cord
3. ✘ Upper arm muscles
4. ✘ bones of the hand

Question Number : 119 Question Id : 419 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In a green house, paraffin is ignited to enhance photosynthesis in the plants as it provides

Options :

1. ✘ Water
2. ✔ Carbon-di-oxide
3. ✘ Oxygen
4. ✘ More light

Question Number : 120 Question Id : 420 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following is not an insect?

Options :

1. ✔ Spider
2. ✘ Butterfly
3. ✘ Beetle
4. ✘ Termite

Question Number : 121 Question Id : 421 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

You can make soap at home from vegetable oil and

Options :

1. ✘ Caustic Potash
2. ✘ Ammonium Hydroxide
3. ✔ Caustic Soda
4. ✘ Sodium Chloride

Question Number : 122 Question Id : 422 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Students were asked to present a “balanced equation” regarding Photosynthesis. Which is the correct equation?

Options :

1. ✘ $6\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$
2. ✔ $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$
3. ✘ $\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$
4. ✘ $\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$

Question Number : 123 Question Id : 423 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which out of the F, Br, Ca and Mg which are important elements because their salts are useful to humans may be grouped as halogens?

Options :

1. ✔ F and Br
2. ✘ F and Ca
3. ✘ Br and Mg
4. ✘ Ca and Br

Question Number : 124 Question Id : 424 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A maximum of how many partners can a trading business firm have according to Indian Partnership Act?

Options :

1. ✓ 20
2. ✗ 15
3. ✗ 10
4. ✗ 5

Question Number : 125 Question Id : 425 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

We are able to walk on the ground because of

Options :

1. ✓ Friction
2. ✗ Gravitation
3. ✗ Rotation
4. ✗ Combination of gravity and Rotation

Question Number : 126 Question Id : 426 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Scissors belong to the category of simple machines called levers. It is a first class lever because

Options :

1. ✓ Fulcrum (fixed point) is between load and effort
2. ✗ Load is between Fulcrum and effort
3. ✗ Effort is between fulcrum and load
4. ✗ It does not have a fulcrum

Question Number : 127 Question Id : 427 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

As I was folding my blanket of synthetic fibers, there were sparks due to generation of

Options :

1. ✓ Frictional electricity
2. ✗ Current electricity
3. ✗ Flow of electric field

Flow of potential

4. ✘

Question Number : 128 Question Id : 428 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The latest country to give up its national currency and adopt “euro” as its currency is

Options :

1. ✓ Latvia
2. ✘ Lebanon
3. ✘ Brazil
4. ✘ Italy

Question Number : 129 Question Id : 429 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Who presides over the present Lok Sabha when parliament session is on?

Options :

1. ✘ President, Pranab Mukherji
2. ✘ Vice President, Hamid Ansari
3. ✘ Prime Minister, Narendra Modi
4. ✓ Speaker, Sumitra Mahajan

Question Number : 130 Question Id : 430 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

BCMI project connects Bangladesh, China and India with

Options :

1. ✘ Manila
2. ✓ Myanmar
3. ✘ Malaysia
4. ✘ Morocco

Question Number : 131 Question Id : 431 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

One long river of our country which flows through the North-East is

Options :

1. ✘ Ganges
2. ✔ Brahmaputra
3. ✘ Narmada
4. ✘ Kaveri

Question Number : 132 Question Id : 432 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The making of 'maps' is called

Options :

1. ✘ Calligraphy
2. ✘ Numismatics
3. ✔ Cartography
4. ✘ Philately

Question Number : 133 Question Id : 433 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

What is global warming and climate change due to?

Options :

1. ✔ Accumulation of Carbon dioxide in the atmosphere
2. ✘ Ozone hole
3. ✘ Photo chemical smog
4. ✘ UV rays of sunlight falling on earth

Question Number : 134 Question Id : 434 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The Indian constitution was written on 26/11/1949 and came into force on

Options :

1. ✘ Same day
2. ✔ 26.01.1950
3. ✘ 15.08.1950
4. ✘ 26.01.1952

Question Number : 135 Question Id : 435 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A few children between ages 8 and 14 were rescued from a factory where they worked under inhuman conditions. Which fundamental right of the constitution made this possible?

Options :

1. ✘ Right to Education
2. ✘ Right to Freedom of Speech
3. ✔ Right against exploitation
4. ✘ Right to Freedom of Religion

Question Number : 136 Question Id : 436 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The relationship between quantity, revenue and price is

Options :

1. ✔ Quantity times Price = Revenue
2. ✘ Revenue times Price = Quantity
3. ✘ Quantity times Revenue = Price
4. ✘ Price times Quantity = Current price

Question Number : 137 Question Id : 437 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Pablo Picasso's creation 'Guernica' was based on consequences of

Options :

1. ✔ Spanish civil war
2. ✘ Sudanese civil war
3. ✘ Second world war
4. ✘ American war of independence

Question Number : 138 Question Id : 438 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Three national leaders were together called Lal Bal Pal. Which name in the options is wrong?

Options :

1. ✘ Bal Gangadhar Tilak
2. ✘ Bipin Chandra Pal
3. ✘ Lala Lajpat Rai
4. ✔ Lal Bahadur Shastri

Question Number : 139 Question Id : 439 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Who was the last Governor General in the two century rule of the British in India?

Options :

1. ✘ Lord Clive
2. ✘ Sir Warren Hastings
3. ✔ Lord Mountbatten
4. ✘ Lord Cornwallis

Question Number : 140 Question Id : 440 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following statements is not true?

Options :

1. ✘ Amartya Sen is the only economist from India/of Indian origin to have won the Nobel Prize for Economics
2. ✔ Amartya Sen is also credited with developing the input output method with C.V. Raman
3. ✘ Amartya Sen received the Nobel Prize in 1998 for his contribution to welfare economics
4. ✘ Amartya Sen is also known as a champion of nationalism, secularism

Question Number : 141 Question Id : 441 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Pointing to a photograph Rohit said, "His father's brother is my brother's father."

How is Rohit related to the man in the photograph?

Options :

1. ✔ cousin

uncle

2. ✘

brother-in-law

3. ✘

brother

4. ✘

Question Number : 142 Question Id : 442 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The first two numbers on the left of the sign '::' are related in a certain way. The same relationship holds for the second pair of numbers on the right side of the sign '::' of which one is missing. Find the missing one from the alternatives.

16 : 27 :: 36 : ?

Options :

1. ✘ 140

2. ✔ 125

3. ✘ 112

4. ✘ 84

Question Number : 143 Question Id : 443 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The two words on the left side of the sign '::' are related in a certain way. The same relationship holds for the second pair of words on the right side of the sign '::' of which one is missing. Find the missing one from the alternatives.

Microphone : Loud :: Microscope : ?

Options :

1. ✘ Bacteria

2. ✘ Reflect

3. ✘ Examine

4. ✔ Magnify

Question Number : 144 Question Id : 444 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Six friends A, B, C, D, E and F are sitting in a row. A is not sitting next to C or D. There are two persons between D and F. D is next to B, who is in one of the extremes. Who is sitting in the other extreme?

Options :

1. ✘ A

- 2. ✓ C
- 3. ✗ E
- 4. ✗ F

Question Number : 145 Question Id : 445 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Arrange the following words in a meaningful logical sequence and choose the appropriate number sequence from the alternatives.

1. Medicine 2. Injury 3. Doctor 4. Accident 5. Cure 6. Hospital

Options :

- 1. ✓ 4, 2, 3, 6, 1, 5
- 2. ✗ 5, 6, 3, 1, 2, 4
- 3. ✗ 4, 2, 6, 1, 3, 5
- 4. ✗ 4, 2, 6, 3, 1, 5

For the above question, User had specified 'ignore' during keys upload.

Question Number : 146 Question Id : 446 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The numbers in each group are related in a certain way. Choose the correct number from among the alternatives that will replace the question mark.

(3 [34] 5) (4 [65] 7) (6 [?] 9)

Options :

- 1. ✗ 85
- 2. ✗ 107
- 3. ✓ 117
- 4. ✗ 128

Question Number : 147 Question Id : 447 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In a certain language, '296' means 'adults are educated'; '7825' means 'rich persons are nice'; and '9257' means 'educated persons are rich'. Which digit means 'educated' in that language?

Options :

- 1. ✓ 9
- 2. ✗ 6
- 3. ✗ 8

4. ✘ 7

Question Number : 148 Question Id : 448 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If 'METHOD' is coded as 'LFRJLG', then 'GROUND' will be coded as:

Options :

1. ✘ FSMWLG

2. ✔ FSMWKG

3. ✘ ESMWKG

4. ✘ FSNWKG

Question Number : 149 Question Id : 449 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Harsh's school bus picks him up from his home. Then it takes one left turn and two right turns to reach his school. If the bus is facing North-West when it reaches the school, which direction was the bus facing at Harsh's home?

Options :

1. ✔ South-West

2. ✘ South-East

3. ✘ North-East

4. ✘ South

Question Number : 150 Question Id : 450 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The numbers in the matrix given below follow a certain trend row-wise and and/or column wise. Study the trend and choose the number which will replace the question mark?

9	11	21
24	29	?
6	7	14

Options :

1. ✘ 43

2. ✘ 53

3. ✔ 56

