Railway Recruitment Board

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Junior Engineer

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Junior Engineer

Section Id :	3
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	150
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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 :

1. ✖ Pressure

2. ✔ 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

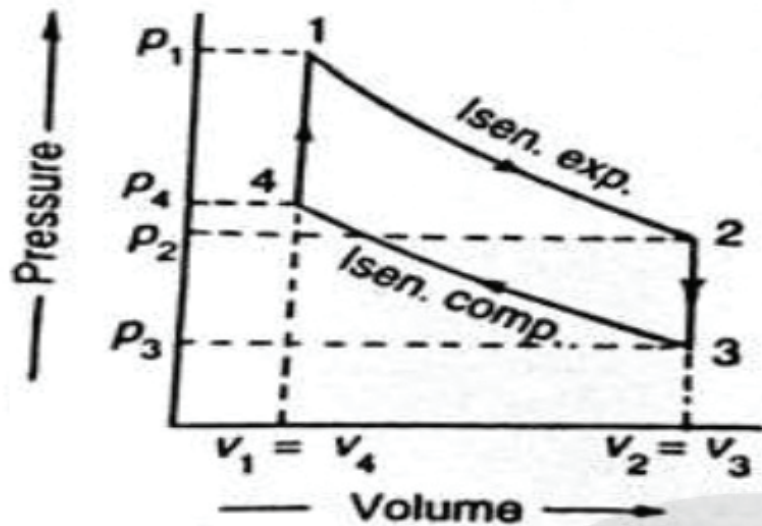**Options :**

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. ✖ Sliting

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. ✔ Hysterisis

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

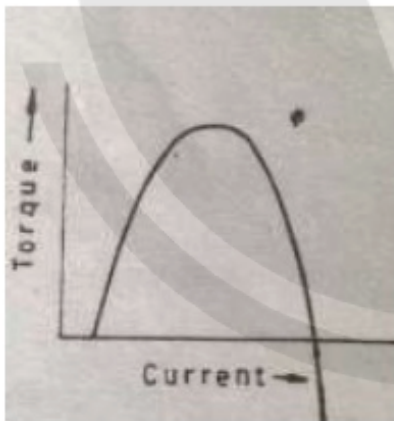Open circuit test in transformers is conducted to determine

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 :

1. ✗ B

2. ✓ A

3. ✗ 1

4. ✗ 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 :

1. ✗ Multiplexer

2. ✓ Demultiplexer

3. ✗ flip-flop

4. ✗ 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 :

1. ✓ 7

2. ✗ 8

3. ✗ 9

4. ✗ 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 :

1. ✗ Dyne-cm/s²

2. ✗ Dyne-cm/s

3. ✗ Dyne-s/cm

4. ✓ 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 BOD_5 determination of sewage, the initial dissolved oxygen is measured to be 8.3 mg/l. However, after 5 day incubation at 20 ^0C temperature, the dissolved oxygen is found to be 2.3 mg/l. If the dilution factor is 1:60, the BOD_5 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. ✔ CO_2, CH_4, N_2O and CFC

2. ✗ CH_4, CO_2, N_2O and CFC

3. ✗ N_2O, CH_4, CO_2 and CFC

4. ✗ CFC, CH_4, CO_2 and N_2O

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 compliment 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/m^2

2. ✔ $1.96 \times 10^3 \text{ N/m}^2$

3. ✖ 1.96 N/m^2

4. ✖ $0.98 \times 10^3 \text{ N/m}^2$

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. ✖ H_2S

3. ✖ NaCl

4. ✖ CO_2

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 $\frac{5}{2}$ 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

2. ✖ 45

3. ✖ 50

4. ✖ 55

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 :

1. ✖ 8

2. ✖ 12

3. ✔ 14

4. ✖ 117

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 :

1. ✖ 5

2. ✔ 6

3. ✖ 7

4. ✖ 8

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 :

1. ✔ 24

2. ✖ 40

3. ✖ 6

4. ✖ $\dfrac{40}{3}$

The average of first six even whole numbers is

Options :

1. ✔ 5

2. ✖ 6

3. ✖ 7

4. ✖ 8

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

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 $1, -3, 9, -27, \ldots$, 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 60^0 with the ground. The length of the ladder is

Options :

1. ✖ 4 m

2. ✔ 16 m

3. ✖ $\dfrac{16\sqrt{3}}{3}$ 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. ✖ $2\left(\sqrt{3}+1\right)$ m

2. ✖ $3(\sqrt{3}+1)\,m$

3. ✖ $3-\sqrt{3}\,m$

4. ✔ $3+\sqrt{3}\,m$

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. ✖ $-6 \le k \le 6$

2. ✔ $6 \le k \le -6$

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 in 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. ✖ $6CO_2 + H_2O \rightarrow C_6H_{12}O_6 + O_2$

2. ✔ $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$

3. ✖ $CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + O_2$

4. ✖ $CO_2 + H_2O \rightarrow C_6H_{12}O_6 + O_2$

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

4. ✖ Flow of potential

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