

Directorate of Medical Education and Training - Odisha

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DMET Basic BSc Nursing Entrance Exam 2023

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Physics

Section Id :	98700256
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Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	98700256
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Average velocity of a particle executing SHM in one complete vibration is

Options :

1. $A\omega$
2. $A\omega^2/2$
3. zero
4. $A\omega/2$

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A parallel plate capacitor of capacitance $20\mu\text{F}$ is being charged by a voltage source whose potential energy is changing at the rate of 3 V/s . The conduction current through the connecting wires and the displacement current through the plates of capacitor, would be, respectively.

Options :

1. $60\mu\text{A}, 60\mu\text{A}$
2. $60\mu\text{A}, \text{zero}$

3. zero,zero

4. zero,60 μ A

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which colour of the light has the strongest wavelength?

Options :

1. Blue

2. Green

3. Violet

4. Red

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A coil of 800 turns effective area 0.05m² is kept perpendicular to a magnetic field 5*10⁻⁵ T. When the plane of the coil is rotated by 90° around any of its co-planar axis in 0.1 s, the emf induced in the coil will be

Options :

1. 0.2 V

2. 2*10⁻³ V

3. 0.02 V

4. 2 V

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Two small spherical metal balls, having equal masses, are made from materials of densities ρ_1 and ρ_2 ($\rho_1 = 8\rho_2$) and have radii of 1 mm and 2 mm respectively. They are made to fall vertically (from rest) in viscous medium whose coefficient of viscosity equals to η and whose density is $0.1\rho_2$. The ratio of their terminal velocities would be

Options :

1. 79/72

2. 19/36

3. 39/72

4. 79/36

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

An equi-convex lens has power P , it is cut into two symmetrical halves by a plane containing the principal axis. The power of the one part will be

Options :

1. 0

2. $P/2$

3. $P/4$

4. P

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A solid cylinder of mass 2 kg and radius 50 cm rolls up an inclined plane of angle inclination 30° . The centre of mass of cylinder has speed of 4 m/s. The distance travelled by the cylinder on the inclined surface will be: (Take $g=10 \text{ m/s}^2$)

Options :

1. 2.2 m

2. 1.6 m

3. 1.2 m

4. 2.4 m

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The time period of a geo-stationary satellite is 24 h, at a height $6R_E$ (R_E is the radius of earth) from the surface of earth. The time period of another satellite whose height is $2.5R_E$ from surface will be

Options :

1. $6\sqrt{2}h$
2. $12\sqrt{2}h$
3. $24/2.5h$
4. $12/2.5h$

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The efficiency of an ideal heat engine working between the freezing point and boiling point of water, is

Options :

1. 0.0625
2. 0.2
3. 0.268
4. 0.125

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The ratio of kinetic energy to the total energy of an electron in a Bohr orbit of the hydrogen atom, is

Options :

1. 2 : -1
2. 1 : -1
3. 1:1
4. 1 : -2

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A pendulum is hung from the roof of a sufficiently high building and is moving freely to and fro like a simple harmonic oscillator. The acceleration of the bob of the pendulum is 20 m/s^2 at a distance of 5 m from the mean position. The time period of oscillation is

Options :

1. 2 s
2. π s
3. 2π s
4. 1 s

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following statement is incorrect?

Options :

1. Frictional force opposes the relative motion.
2. Limiting value of static friction is directly proportional to normal reaction.
3. Rolling friction is smaller than sliding friction
4. Coefficient of sliding friction has dimensions of length

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Two wires are made of the same material and have the same volume. The first wire has cross-sectional area A and the second wire has cross-sectional area $3A$. If the length of the first wire is increased by Δl on applying a force F , how much force is needed to stretch the second wire by the same amount?

Options :

1. $4F$
2. $6F$
3. $9F$
4. F

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Radioactive material A has decay constant 8λ and material B has decay constant λ . Initially, they

have same number of nuclei. After what time, the ratio of number of nuclei of material B to that A will be $1/e$?

Options :

1. $1/\lambda$
2. $1/7\lambda$
3. $1/8\lambda$
4. $1/9\lambda$

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The ratio of wavelengths of the last line of Balmer series and the last line of the Lyman series is

Options :

1. 2
2. 1
3. 4
4. 0.5

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A gas mixture consists 2 moles of O_2 and 4 moles of Ar at temperature T. Neglecting all vibrational modes, the total internal energy of the system is

Options :

1. $4RT$
2. $15RT$
3. $9RT$
4. $11RT$

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

In an electromagnetic wave in free space the root mean square value of the electric field is $E_{rms} =$

6 V/m. The peak value of the magnetic field is

Options :

1. 1.41×10^{-8} T
2. 2.83×10^{-8} T
3. 0.70×10^{-8} T
4. 4.23×10^{-8} T

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A solid sphere of mass m and radius R is rotating about its diameter. A solid cylinder of the same mass and the same radius is also rotating about its geometrical axis with an angular speed twice that of the sphere. The ratio of their kinetic energies of rotation ($E_{\text{sphere}}/E_{\text{cylinder}}$) will be

Options :

1. 2:3
2. 1:5
3. 1:4
4. 3:1

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The potential difference across the resistance, capacitance and inductance are 80 V, 40 V and 100 V respectively in an L-C-R circuit. The power factor of this circuit is

Options :

1. 0.4
2. 0.5
3. 0.8
4. 1

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Out of the following options which one can be used to produce a propagating electromagnetic wave?

Options :

1. A stationary charge
2. A chargeless particle
3. An accelerating charge
4. A charge moving at constant velocity

Chemistry

Section Id :	98700257
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
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Sub-Section Id :	98700257
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following set of molecules will have zero dipole moment?

Options :

1. Boron trifluoride, hydrogen fluoride, carbon dioxide, 1,3-dichlorobenzene

2. Nitrogen trifluoride,beryllium difluoride,water,1,3-dichlorobenzene
3. Boron trifluoride,beryllium difluoride,carbon dioxide,1,4-dichlorobenzene
4. Ammonia,beryllium difluoride,water,1,4-dichlorobenzene

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Identify the correct statement from the following:

Options :

1. Blister copper has blistered appearance due to evolution of CO₂
2. Vapour phase refining is carried out for nickel by van Arkel method.
3. Pig iron can be moulded into a variety of shapes.
4. wrought iron is impure iron with 4% carbon.

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Paper chromatography is an example of

Options :

1. Partition chromatography
2. Thin layer chromatography
3. Column chromatography
4. Adsorption chromatography

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Sucrose on hydrolysis gives

Options :

1. α -D-glucose + β -D-glucose
2. α -D-glucose + β -D-fructose
3. α -D-fructose + β -D-fructose
4. β -D-glucose + α -D-fructose

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Identify the incorrect statement .

Options :

1. The transition metals and their compounds are known for their catalytic activity due to their ability to adopt multiple oxidation states and to form complexes.
2. Interstitial compounds are those that are formed when small atoms like H,C or N are trapped inside the crystal lattices of metals.
3. The oxidation states of Chromium in CrO_4^{2-} and $\text{Cr}_2\text{O}_7^{2-}$ are not the same.
4. $\text{Cr}^{2+}(d^4)$ is a stronger reducing agent than $\text{Fe}^{2+}(d^6)$ in water.

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

HCl is passed through a solution of CaCl_2 , MgCl_2 and NaCl . Which of the following compound (s) crystallise(s)?

Options :

1. Only NaCl
2. Only MgCl_2
3. NaCl , MgCl_2 and CaCl_2
4. Both MgCl_2 and CaCl_2

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The number of moles of hydrogen molecules required to produce 20 moles of ammonia through Haber's process is

Options :

1. 20
2. 30
3. 40
4. 10

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The number of sigma (σ) and pi (π) bonds in pent -2-en-4-yne is

Options :

1. 8σ -bonds and 5π -bonds
2. 11σ -bonds and 2π -bonds
3. 13σ -bonds and no π -bonds
4. 10σ -bonds and 3π -bonds

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Among the following ,the narrow spectrum antibiotic is

Options :

1. ampicillin
2. amoxicillin
3. chloramphenicol
4. penicillin G

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

In which case change in entropy is negative?

Options :

1. Expansion of a gas at constant temperature
2. Sublimation of solid to gas
3. $2\text{H}(\text{g}) \rightarrow \text{H}_2(\text{g})$
4. Evaporation of water

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which one is malachite from the following?

Options :

1. $\text{Cu}(\text{OH})_2$
2. Fe_3O_4
3. $\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$
4. CuFeS_2

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The mixture that forms maximum boiling azeotrope is

Options :

1. ethanol + water
2. acetone + carbon disulphide
3. heptane + octane
4. water + nitric acid

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The liquified gas that is used in dry cleaning along with a suitable detergent is

Options :

1. Water gas
2. Petroleum gas
3. NO_2
4. CO_2

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The alkane that gives only one mono-chloro product of chlorination with Cl_2 in presence of diffused sunlight is

Options :

1. 2,2-dimethylbutane
2. neopentane
3. n-pentane
4. isopentane

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Identify the incorrect option

Options :

1. The scientific and technological process used for isolation of the metal from its ore is known as metallurgy
2. Minerals are naturally occurring chemical substances in the earth's crust
3. ores are minerals that may contain a metal
4. Gangue is an ore contaminated with undesired materials

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

When neutral or faintly alkaline KMnO_4 is treated with potassium iodide, iodide ion is converted into 'X'. 'X' is

Options :

1. I_2
2. IO_4^-
3. IO_3^-
4. IO^-

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following is paramagnetic?

Options :

1. N_2

2. H₂
3. Li₂
4. O₂

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Orbital having 3 angular nodes and 3 total nodes is

Options :

1. 5 p
2. 3 d
3. 4 f
4. 6 d

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Considering Ellingham diagram, which of the following metals can be used to reduce alumina?

Options :

1. Mg
2. Zn
3. Fe
4. Cu

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following compounds can form a Zwitter ion?

Options :

1. Benzoic acid
2. Acetanilide
3. Aniline
4. Glycine

Biology

Section Id :	98700258
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	98700258
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Flordean starch has structure similar to

Options :

1. amylopectin and glycogen
2. mannitol and algin
3. laminarin and cellulose
4. starch and cellulose

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Goblet cells of alimentary canal are modified from

Options :

1. columnar epithelial cells
2. chondrocytes
3. compound epithelial cells
4. squamous epithelial cells

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Strobili or cones are found in

Options :

1. Pteris
2. Marchantia
3. Equisetum
4. Salvinia

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which one of the following is the most abundant protein in the animals?

Options :

1. Collagen
2. Lectin
3. Insulin
4. Haemoglobin

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The ovary is half inferior in

Options :

1. Mustard
2. Sunflower

3. Plum
4. Brinjal

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

In some plants, the female gamete develops into embryo without fertilisation. The phenomenon is known as

Options :

1. Parthenocarpy
2. Syngamy
3. Parthenogenesis
4. autogamy

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following glucose transporters is insulin-dependent?

Options :

1. GLUT II
2. GLUT III
3. GLUT IV
4. GLUT I

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following ecological pyramids is generally inverted?

Options :

1. Pyramid of energy
2. Pyramid of biomass in a forest
3. Pyramid of biomass in a sea
4. Pyramid of numbers in grassland

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following is a commercial blood cholesterol lowering agent?

Options :

1. Statin
2. Streptokinase
3. Lipases
4. Cyclosporin A

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

What is the site of perception of photoperiod necessary for induction of flowering in plants?

Options :

1. Pulvinus
2. Shoot apex
3. Leaves
4. Lateral buds

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Identify the cells whose secretion protects the lining of gastrointestinal tract from various enzymes.

Options :

1. Goblet cells
2. Oxyntic cells
3. Duodenal cells
4. Chief cells

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Respiratory Quotient (RQ) value of tripalmitin is

Options :

1. 0.7
2. 0.07
3. 0.09
4. 0.9

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which part of the brain is responsible for thermoregulation?

Options :

1. Hypothalamus
2. Corpus callosum
3. Medulla oblongata
4. Cerebrum

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following organic compounds is the main constituent of lecithin?

Options :

1. Arachidonic acid
2. Phospholipid
3. Cholesterol
4. Phosphoprotein

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The two antibiotic resistant genes on vector pBR322 are for

Options :

1. Ampicillin and Tetracycline
2. Ampicillin and Chloramphenicol
3. Chloramphenicol and Tetracycline
4. Tetracycline and Kanamycin

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following sexually transmitted diseases donot specifically affect reproductive organs?

Options :

1. Genital warts and Hepatitis-B
2. Syphilis and Genital herpes
3. AIDS and Hepatitis-B
4. Chlamydiasis and AIDS

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A specialised nodal tissue embedded in the lower corner of the right atrium,close to atrio-ventricular septum,delays the spreading of impulses to heart apex for about 0.1 sec.The delay allows

Options :

1. blood to enter aorta
2. the ventricles to empty completely
3. blood to enter pulmonary arteries
4. the atria to empty completely

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Where is the respiratory Electron Transport System (ETS) located in plants?

Options :

1. Mitochondrial matrix

2. Outer mitochondrial membrane
3. Inner mitochondrial membrane
4. Intermembrane space

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following is an innovative remedy for plastic waste?

Options :

1. Burning in the absence of oxygen
2. Burying 500m deep below soil surface
3. Polyblend
4. Electrostatic precipitator

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Which of the following is commonly used as a vector for introducing a DNA fragment in human lymphocytes?

Options :

1. λ phage
2. Ti-plasmid
3. Retrovirus
4. pBR 322

English

Section Id :	98700259
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20

Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	98700259
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Many people are still ignorant _____ the moon.

Options :

1. with
2. at
3. for
4. of

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A miser cannot part _____ money at any cost.

Options :

1. of
2. for
3. with
4. by

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Socrates could not give any proof _____ innocence.

Options :

1. to
2. of
3. for
4. on

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The gardener _____ in the garden since morning

Options :

1. was working
2. is working
3. have been working
4. has been working

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

What _____ in cricket when you loss the ball?

Options :

1. happens
2. is happening
3. has happened
4. happened

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

He usually _____ helmet.

Options :

1. wear

2. wears
3. wearing
4. will wear

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

More and more children _____ to school nowadays.

Options :

1. were going
2. have been going
3. goes
4. are going

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The monsoon usually _____ from south to north.

Options :

1. blow
2. blows
3. is blowing
4. blew

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

I _____ Cricket during my life time.

Options :

1. have never played
2. is never playing
3. have never been playing
4. played

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The train _____ the station,when we reached.

Options :

1. had left
2. was leaving
3. left
4. has left

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Our college _____ on 16th July after the vacation.

Options :

1. is reopening
2. will reopen
3. reopens
4. was reopening

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Bande Utkal Janani' _____ by Laxmikanta Mohapatra.

Options :

1. was written
2. wrote
3. written
4. is being written

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

In some countries women _____ the right to vote.

Options :

1. are still denying
2. will still deny
3. still denied
4. are still denied

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The rich man says that whoever helps him find his lost dog _____.

Options :

1. will be rewarded
2. will reward
3. is rewarded
4. will have been rewarded

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The venue _____ for the examination tomorrow.

Options :

1. will be prepared
2. are being prepared
3. was prepared
4. is being prepared

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

He _____ too quickly.

Options :

1. drive

2. drives
3. driving
4. driven

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Greek and Chinese _____ difficult languages to learn.

Options :

1. were
2. has been
3. are
4. is

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Tuesday and Wednesday _____ very long days for Susant.

Options :

1. are
2. is
3. have been
4. are being

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Two and two _____ four.

Options :

1. make
2. makes
3. are
4. were

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Some of you will_____ to leave early.

Options :

1. has been
2. be
3. has
4. have

Aptitude for Nursing

Section Id :	98700260
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
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Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	98700260
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Menu:Food :: Catalogue:?

Options :

1. Rack
2. Newspaper
3. Library
4. Books

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Bank : River :: Coast : ?

Options :

1. Flood
2. Waves
3. Sea
4. Beach

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If VICTORY is coded as YLFWRUB,how can SUCCESS be coded?

Options :

1. VXEEIVV
2. VXFFHVW
3. VYEEHVW
4. VYEFIVV

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If POND is coded as RSTL ,how is HEAR written in that code?

Options :

1. GHIJ
2. GHIZ

3. JIGZ

4. JCLZ

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If $GO = 32$, $SHE = 49$, then $SOME$ will be equal to

Options :

1. 56

2. 58

3. 62

4. 64

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If ENGLAND is written as 1234526 and FRANCE is written as 785291, how is GREECE coded?

Options :

1. 381171

2. 381191

3. 832252

4. 835545

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Sam ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class?

Options :

1. 45

2. 47

3. 46

4. 48

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If the position of the first and the third digit within each number are interchanged, which of the following will be third digit of the second lowest number? 987,514,658,487,404,269

Options :

1. 8
2. 9
3. 2
4. 4

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If the third day of a month is Tuesday, which of the following would be the 4th day before the 27th day of that month?

Options :

1. Tuesday
2. Monday
3. Wednesday
4. Sunday

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

How many numbers amongst the numbers 9 to 54 are there which are exactly divisible by 9 but not by 3?

Options :

1. 5
2. 6
3. 0
4. 9

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

P started from his house towards west. After walking a distance of 25m, he turned to the right and walked 10m. He then again turned to the right and walked 15m. After this he is to turn right at 135° and to cover 30m. In which direction should he go?

Options :

1. West
2. South
3. South-West
4. South-East

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A girl facing north rotates 100° clockwise then 190° anticlockwise. What is new direction of the girl?

Options :

1. North-East
2. West
3. South-East
4. South

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A boy rode his bicycle Northward, then turned left and rode 1km and again turned left and rode 2km. He found himself 1 km west of his starting point. How far did he ride northward initially?

Options :

1. 1km
2. 2km
3. 3km
4. 5km

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A group of 1200 persons consisting of captains and soldiers is travelling in a train. For every 15 soldiers there is one captain. The number of captains in the group is :

Options :

1. 85
2. 80
3. 75
4. 70

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly?

Options :

1. 12
2. 16
3. 24
4. 18

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A father is, at present three times as old as his son. Five years back, he was four times as old as his son. Find the age of his son.

Options :

1. 12 years
2. 15 years
3. 18 years
4. 20 years

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

A is 3 years younger than C but one year older than D. D is one year older than B but 4 years younger than C. C is 15 years old. What is the age of B?

Options :

1. 10
2. 11
3. 12
4. 13

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Sum of ages of Rajesh, Suresh, Mahesh and Dinesh is 76 years. 7 years hence, their age ratio is 7:6:5:8. Find Mahesh's present age?

Options :

1. 17 years
2. 13 years
3. 14 years
4. 16 years

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

If Raj was one-third as old as Rahim 5 years back and Raj is 17 years old now. How old is Rahim now?

Options :

1. 40
2. 41
3. 36
4. 48

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

The sum of the present ages of a father and his son is 60 years. Five years ago, father's age was four times the age of his son. So now the son's age will be:

Options :

1. 5

2. 10

3. 15

4. 20