

Directorate of Medical Education and Training - Odisha

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DMET Basic BSc Nursing Entrance Exam 2023

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Show Attended Group? :	No
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Group Marks :	100
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Physics

Section Id :	98700251
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Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
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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 :	98700251
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

The magnetic susceptibility is negative for

Options :

1. Paramagnetic material only
2. Ferromagnetic material only
3. Paramagnetic and ferromagnetic materials
4. Diamagnetic material only

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

Minimum Instruction Time : 0

If the magnitude of sum of two vectors is equal to the magnitude of difference of the two vectors, the angle between these vector is

Options :

1. 90°
2. 45°

3. 180°

4. 0°

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

Minimum Instruction Time : 0

A disc and a sphere of same radius but different masses roll off on two inclined planes of the same altitude and length. Which one of the two objects gets to the bottom of the plane first?

Options :

1. Sphere
2. Both reach at the same time
3. Depends on their masses
4. Disc

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

Minimum Instruction Time : 0

Two similar springs P and Q have spring constants K_p and K_q , such that $K_p > K_q$. They were stretched, first by the same amount (case a), then by the same force (case b). The work done by the springs W_p and W_q are related as, in case (a) and case (b) respectively

Options :

1. $W_p = W_q ; W_p > W_q$
2. $W_p = W_q ; W_p = W_q$
3. $W_p > W_q ; W_q > W_p$
4. $W_p < W_q ; W_q < W_p$

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

Minimum Instruction Time : 0

Two spherical bodies of masses M and $5M$ and radii R and $2R$ are released in free space with initial separation between their centres equal to $12R$. If they attract each other due to gravitational force only, then the distance covered by the smaller body before collision is

Options :

1. $2.5R$

2. 4.5 R

3. 7.5 R

4. 1.5 R

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

Minimum Instruction Time : 0

Across a metallic conductor of non-uniform cross-section, a constant potential difference is applied. The quantity which remains constant along the conductor is

Options :

1. current density
2. current
3. drift velocity
4. electric field

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

Minimum Instruction Time : 0

A satellite S is moving in an elliptical orbit around the earth. The mass of the satellite is very small as compared to the mass of the earth. Then,

Options :

1. the angular momentum of S about the centre of the earth changes in direction, but its magnitude remains constant
2. the total mechanical energy of S varies periodically with time
3. the linear momentum of S remains constant in magnitude
4. the acceleration of S is always directed towards the centre of the earth

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

Minimum Instruction Time : 0

Water rises to a height 'h' in a capillary tube. If the length of the capillary tube above the surface of water is made less than 'h', then

Options :

1. water rises upto the tip of capillary tube and then starts overflowing like a fountain
2. water rises upto the top of capillary tube and stays there without overflowing
3. water rises upto a point a little below the top and stays there
4. water does not rise at all

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

Minimum Instruction Time : 0

Certain quantity of water cools from 70°C to 60°C in the first 5 min and to 54°C in the next 5 min. The temperature of the surroundings is

Options :

1. 45°
2. 20°
3. 42°
4. 10°

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

Minimum Instruction Time : 0

A transformer having efficiency of 90% is working on 200 V and 3 kW power supply. If the current in the secondary coil is 6 A, the voltage across the secondary coil and the current in the primary coil respectively are

Options :

1. 300 V, 15 A
2. 450 V, 15 A
3. 450 V, 13.5 A
4. 600 V, 15 A

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

Minimum Instruction Time : 0

A body of mass m taken from the earth's surface to the height equal to twice the radius (R) of the earth. The change in potential energy of body will be

Options :

1. $mg2R$
2. $\frac{2}{3} mgR$
3. $3mgR$
4. $\frac{1}{3} mgR$

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

Minimum Instruction Time : 0

A current loop in a magnetic field

Options :

1. experiences a torque wheather the field is uniform or non-uniform in all orientations
2. can be in equilibrium in one orientations
3. can be equilibrium in two orientations,both the equilibrium states are unstable
4. can be equilibrium in two orientations,one stable while the other is unstable

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

Minimum Instruction Time : 0

A parallel beam of fast moving electrons is incident normally on a narrow slit.A flourescent screen is placed at a large distance from the slit.If the speed of the electrons is increased,then which of the following statement is correct?

Options :

1. Diffraction pattern is not observed on the screen in the case of electrons
2. The angular width of the central maximum of the diffraction pattern will increase
3. The angular width of the central maximum will decrease
4. The angular width of the central maximum will be unaffected

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

Minimum Instruction Time : 0

When a biconvex lens of glass having refractive index 1.47 is dipped in a liquid,it acts as a plane sheet of glass.This implies that the liquid must have refractive index

Options :

1. equal to that of glass
2. less than one
3. greater than that of glass
4. less than that of glass

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

Minimum Instruction Time : 0

A nucleus of mass number 189 splits into two nuclei having mass number 125 and 64. The ratio of radius of two daughter nuclei, respectively is:

Options :

1. 4:5
2. 5:4
3. 25:16
4. 1:1

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

Minimum Instruction Time : 0

A ball of mass 0.15kg is dropped from a height 10 m, strikes the ground and rebounds to the same height. The magnitude of impulse imparted to the ball is nearly ($g=10\text{m/s}^2$)

Options :

1. 0
2. 4.2 kg-m/s
3. 2.1 kg-m/s
4. 1.4 kg-m/s

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

Minimum Instruction Time : 0

Identify the function which represents a periodic motion.

Options :

1. e^{wt}
2. $\log_e(wt)$
3. $\sin wt + \cos wt$
4. e^{-wt}

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

Minimum Instruction Time : 0

In total internal reflection when the angle of incidence is equal to the critical angle for the pair of media in contact, what will be the angle of refraction?

Options :

1. 0°
2. Equal to angle of incidence
3. 90°
4. 180°

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

Minimum Instruction Time : 0

The bulk modulus of a spherical object is B . If it is subjected to uniform pressure p , the fractional decrease in radius is

Options :

1. p/B
2. $B/3p$
3. $3p/B$
4. $p/3B$

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

Minimum Instruction Time : 0

The resistance of a wire is R ohm. If it is melted and stretched to n times its original length, its new resistance will be

Options :

1. nR
2. R/n
3. n2R
4. R/n2

Chemistry

Section Id :	98700252
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
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Sub-Section Id :	98700252
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 oxides is most acidic in nature?

Options :

1. BaO
2. BeO
3. MgO
4. CaO

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

Minimum Instruction Time : 0

Iron carbonyl, $\text{Fe}(\text{CO})_5$ is

Options :

1. trinuclear
2. mononuclear
3. tetranuclear
4. dinuclear

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

Minimum Instruction Time : 0

On which of the following properties does the coagulating power of an ion depend?

Options :

1. Both magnitude and sign of the charge on the ion
2. Size of the ion alone
3. The magnitude of the charge on the ion alone
4. The sign of charge on the ion alone

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

Minimum Instruction Time : 0

The correction factor 'a' to the ideal gas equation corresponds to

Options :

1. electric field present between the gas molecules
2. volume of the gas molecules
3. density of the gas molecules
4. forces of attraction between the gas molecules

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

Minimum Instruction Time : 0

Mixture of chloroxylenol and terpineol acts as

Options :

1. analgesic
2. antiseptic
3. antipyretic
4. antibiotic

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

Minimum Instruction Time : 0

Which of the following reactions is appropriate for converting acetamide to methanamine?

Options :

1. Carbylamine reaction
2. Hofmann hypobromamide reaction
3. Stephens reaction
4. Gabriels phthalimide synthesis

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

Minimum Instruction Time : 0

Name the gas that can readily decolourise acidified KMnO_4 solution.

Options :

1. CO_2
2. SO_2
3. NO_2
4. P_2O_5

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

Minimum Instruction Time : 0

If molality of the dilute solution is doubled, the value of molal depression constant (K_f) will be

Options :

1. doubled

2. halved
3. tripled
4. unchanged

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

Minimum Instruction Time : 0

Which of the following is dependent on temperature?

Options :

1. Molality
2. Molarity
3. Mole fraction
4. Weight percentage

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

Minimum Instruction Time : 0

Extraction of gold and silver involves leaching with CN^- ion. Silver is later recovered by

Options :

1. liquation
2. distillation
3. zone refining
4. displacement with Zn

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

Minimum Instruction Time : 0

Which one of the following pairs of species have the same bond order?

Options :

1. CO , NO
2. O_2 , NO^+
3. CN^- , CO
4. N_2 , O_2^-

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

Minimum Instruction Time : 0

Zinc can be coated on iron to produce galvanised iron but the reverse is not possible. It is because

Options :

1. Zinc is lighter than iron
2. Zinc has lower melting point than iron
3. Zinc has lower negative electrode potential than iron
4. Zinc has higher negative electrode potential than iron

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

Minimum Instruction Time : 0

Two electrons occupying the same orbital are distinguished by

Options :

1. Magnetic quantum number
2. Azimuthal quantum number
3. Spin quantum number
4. Principal quantum number

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

Minimum Instruction Time : 0

In a protein molecule various amino acids are linked together by

Options :

1. β -glycosidic bond
2. peptide bond
3. dative bond
4. α -glycosidic bond

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

Minimum Instruction Time : 0

Which one given below is a non-reducing sugar?

Options :

1. Lactose
2. Glucose
3. Sucrose
4. Maltose

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

Minimum Instruction Time : 0

A device that converts energy of combustion of fuels like hydrogen and methane, directly into electrical energy is known as

Options :

1. fuel cell
2. electrolytic cell
3. dynamo
4. Ni-Cd cell

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

Minimum Instruction Time : 0

Which property of colloidal solution is independent of charge on the colloidal particles?

Options :

1. Coagulation
2. Electrophoresis
3. Electroosmosis
4. Tyndall effect

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

Minimum Instruction Time : 0

In the extraction of copper from its sulphide ore, the metal finally obtained by the reduction of cuprous oxide with

Options :

1. iron(II)sulphide
2. carbon monoxide
3. copper(I)sulphide
4. sulphur dioxide

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

Minimum Instruction Time : 0

The pair of compounds that can exist together is

Options :

1. $\text{FeCl}_3, \text{SnCl}_2$
2. $\text{HgCl}_2, \text{SnCl}_2$
3. $\text{FeCl}_2, \text{SnCl}_2$
4. FeCl_3, KI

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

Minimum Instruction Time : 0

Nylon is an example of

Options :

1. Polyester
2. Polysaccharide
3. Polyamide
4. Polythene

Biology

Section Id :	98700253
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 :	98700253
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**

Natality refers to

Options :

1. number of individuals leaving the habitat
2. birth rate
3. death rate
4. number of individuals entering a habitat

**Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0**

Which of the following is not a prokaryote?

Options :

1. Nostoc
2. Mycobacterium
3. Saccharomyces
4. Oscillatoria

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

Minimum Instruction Time : 0

The stage during which separation of the paired homologous chromosomes begins is

Options :

1. diakinesis
2. diplotene
3. pachytene
4. zygotene

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

Minimum Instruction Time : 0

Pneumatophores occur in

Options :

1. carnivorous plants
2. free-floating hydrophytes
3. halophytes
4. submerged hydrophytes

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

Minimum Instruction Time : 0

Which is wrongly matched?

Options :

1. Gemma cups - Marchantia
2. Biflagellate zoospores - Brown algae
3. Uniflagellate gametes - Polysiphonia
4. Unicellular organism - Chlorella

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

Minimum Instruction Time : 0

Ciliates differ from all other protozoans in

Options :

1. using pseudopodia for capturing prey
2. having a contractive vacuole for removing excess water
3. using flagella for locomotion
4. having two types of nuclei

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

Minimum Instruction Time : 0

According to Hugo De Vries, the mechanism of evolution is

Options :

1. phenotypic variations
2. saltation
3. multiple step mutations
4. minor mutations

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

Minimum Instruction Time : 0

which of the following is an occupational respiratory disorder?

Options :

1. Botulism
2. Silicosis
3. Anthracis
4. Emphysema

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

Minimum Instruction Time : 0

The similarity of bone structure in the forelimbs of many vertebrates is an example of

Options :

1. convergent evolution
2. analogy
3. homology

4. adaptive radiation

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

Minimum Instruction Time : 0

Which of the following statement is correct,with reference to enzymes?

Options :

1. Apoenzyme = Holoenzyme + Coenzyme
2. Holoenzyme = Apoenzyme + Coenzyme
3. Coenzyme = Apoenzyme + Holoenzyme
4. Holoenzyme = Coenzyme + cofactor

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

Minimum Instruction Time : 0

MLAT constitutes aboutper cent of the lymphoid tissue in human body.

Options :

1. 0.5
2. 0.2
3. 0.7
4. 0.1

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

Minimum Instruction Time : 0

Which of the following cell organelles is responsible for extracting energy from carbohydrates to form ATP?

Options :

1. Lysosome
2. Ribosome
3. Chloroplast
4. Mitochondrion

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

Minimum Instruction Time : 0

Which ecosystem has the maximum biomass?

Options :

1. Forest ecosystem
2. Grassland ecosystem
3. Pond ecosystem
4. Lake ecosystem

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

Minimum Instruction Time : 0

Fruit and leaf drop at early stages can be prevented by the application of

Options :

1. cytokinins
2. ethylene
3. auxins
4. gibberellic acid

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

Minimum Instruction Time : 0

The morphological nature of the edible part of coconut is

Options :

1. Perisperm
2. cotyledon
3. endosperm
4. pericarp

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

Minimum Instruction Time : 0

Phytochrome is a

Options :

1. flavoprotein
2. glycoprotein
3. lipoprotein
4. chromoprotein

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

Minimum Instruction Time : 0

A true breeding plant is

Options :

1. one that is able to breed on its own
2. produced due to cross-pollination among unrelated plants
3. near homozygous and produces offspring of its own kind
4. always homozygous recessive in its genetic constitution

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

Minimum Instruction Time : 0

Name the blood cells, whose reduction in number can cause clotting disorder, leading to excessive loss of blood from the body.

Options :

1. Erythrocytes
2. Leucocytes
3. Neutrophils
4. Thrombocytes

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

Minimum Instruction Time : 0

Reduction in pH of blood will

Options :

1. reduce the blood supply to the brain

2. decrease the affinity of hemoglobin with oxygen
3. release bicarbonate ions by the liver
4. reduce the rate of heart beat

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

Minimum Instruction Time : 0

In angiosperms, microsporogenesis and megasporogenesis

Options :

1. occur in anther
2. from gametes without further divisions
3. involve meiosis
4. occur in ovule

English

Section Id :	98700254
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
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Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	98700254
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

Of all the countries in that area of the world,perhaps Nigeria_____ the most potential

Options :

1. has
2. have
3. are having
4. have been

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

Minimum Instruction Time : 0

Never_____ the weather been so bad in the months of June and July.

Options :

1. were
2. are
3. has
4. have

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

Minimum Instruction Time : 0

One _____ worry all the time.It leads to serious health problem.

Options :

1. should
2. couldn't
3. mayn't
4. shouldn't

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

Minimum Instruction Time : 0

You _____ to finish this on time because you have no choice.

Options :

1. may have
2. could have
3. have
4. needn't

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

Minimum Instruction Time : 0

Bhagat Singh _____ his life for his motherland. (Choose the most suitable alternative to make the sentence logical.)

Options :

1. lie down
2. lay down
3. lied down
4. laid down

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

Minimum Instruction Time : 0

Remember _____ your temper even when provoked. (Choose the most suitable alternative to make the sentence logical.)

Options :

1. not to loose
2. not to lose
3. not losing
4. not to loss

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

Minimum Instruction Time : 0

When the villagers were attacked,they were _____ to violent acts. (Choose the most suitable alternative to make the sentence logical.)

Options :

1. raised
2. rose
3. rised
4. roused

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

Minimum Instruction Time : 0

One is_____ in duty to help the ageing parents. (Choose the most suitable alternative to make the sentence logical.)

Options :

1. bound
2. bounded
3. binding
4. binded

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

Minimum Instruction Time : 0

Fossilise (select the word similar in meaning)

Options :

1. amalgamate
2. dissolve
3. flex
4. liquefy

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

Minimum Instruction Time : 0

Depict (select the word similar in meaning)

Options :

1. conceal

2. distort
3. characterise
4. suppress

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

Minimum Instruction Time : 0

Tremulous -choose the word opposite in meaning to the given word.

Options :

1. steady
2. healthy
3. young
4. obese

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

Minimum Instruction Time : 0

Fake- choose the word opposite in meaning to the given word.

Options :

1. wrong
2. fanciful
3. ideal
4. real

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

Minimum Instruction Time : 0

Disconsolate -choose the word opposite in meaning to the given word.

Options :

1. thankful
2. prominent
3. joyous
4. unprejudiced

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

Minimum Instruction Time : 0

Eccentric - choose the word opposite in meaning to the given word.

Options :

1. carefree
2. peculiar
3. unusual
4. normal

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

Minimum Instruction Time : 0

Zenith -choose the word opposite in meaning to the given word.

Options :

1. nadir
2. shallow
3. low
4. bottom

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

Minimum Instruction Time : 0

Endeavour - Select the most appropriate synonym of the given words.

Options :

1. attempt
2. achievement
3. result
4. success

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

Minimum Instruction Time : 0

Obstacle - Select the most appropriate synonym of the given words.

Options :

1. benefit
2. clearance
3. accessory
4. barrier

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

Minimum Instruction Time : 0

The volcanic _____ was the cause of great devastation.

Options :

1. outburst
2. eruption
3. erosion
4. movement

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

Minimum Instruction Time : 0

The pilot was _____ injured , he died within half an hour.

Options :

1. seriously
2. fatally
3. fatefully
4. vitally

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

Minimum Instruction Time : 0

The shepherd was looking after the _____ of sheep.

Options :

1. crew

2. gang
3. fleet
4. flock

Aptitude for Nursing

Section Id :	98700255
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
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Sub-Section Id :	98700255
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Is Section Default? :	null

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

Minimum Instruction Time : 0

The sum and product of two numbers are 13 and 42 respectively. The sum of their reciprocal is

Options :

1. 0.31
2. 0.41
3. 0.51
4. 0.71

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

Minimum Instruction Time : 0

$$9648 + 7214 = 8262 + ?$$

Options :

1. 8230
2. 8410
3. 8500
4. 8600

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

Minimum Instruction Time : 0

The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number?

Options :

1. 240
2. 270
3. 295
4. 360

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

Minimum Instruction Time : 0

On dividing a number by 357, we get 39 as remainder. On dividing the same number by 17, what will be the remainder?

Options :

1. 0
2. 3
3. 5
4. 11

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

Minimum Instruction Time : 0

The ratio of boys and girls in a school is 3 : 2. When 6 more boys join, the ratio becomes 6 : 5. How many boys are there in the school?

Options :

1. 24
2. 30
3. 42
4. none of these

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

Minimum Instruction Time : 0

What must be added to each term of the ratio 7 : 29 so that the ratio becomes 1 : 3?

Options :

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

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

Minimum Instruction Time : 0

Two numbers are in the ratio of 3:5. If each number is increased by 15, the ratio becomes 5:7. The numbers are:

Options :

1. 3,5
2. 7,9
3. 13,22
4. 22.5,37.5

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

Minimum Instruction Time : 0

The average of two numbers A and B is 20, that of B and C is 19 and of C and A it is 21. What is the value of A?

Options :

1. 20
2. 24
3. 22
4. 18

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

Minimum Instruction Time : 0

The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is :

Options :

1. 0.0437
2. 0.05
3. 0.06
4. 0.0875

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

Minimum Instruction Time : 0

The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is:

Options :

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

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

Minimum Instruction Time : 0

The product of two numbers is 4107. If the H.C.F. of these numbers is 37, then the greater number

is :

Options :

1. 101
2. 107
3. 111
4. 185

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

Minimum Instruction Time : 0

The L.C.M.of two numbers is 48.The numbers are in the ratio 2:3.Then sum of the number is :

Options :

1. 28
2. 32
3. 40
4. 64

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

Minimum Instruction Time : 0

A and B can together finish a work in 30 days.They worked together for 20 days and then B left.After another 20 days , A finished the remaining work.In how many days A alone can finish the work?

Options :

1. 40
2. 50
3. 54
4. 60

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

Minimum Instruction Time : 0

Buses start from a bus terminal with a speed of 20km/hr at intervals of 10 minutes.What is the

speed of a man coming from the opposite direction towards the bus terminal if he meets the buses at intervals of 8 minutes?

Options :

1. 3km/hr
2. 5km/hr
3. 4km/hr
4. 7km/hr

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

Minimum Instruction Time : 0

On the basis of selling price of an article, the loss is calculated to be 25%. The percentage of loss on the basis of cost price is

Options :

1. 16
2. 20
3. 15
4. 25

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

Minimum Instruction Time : 0

One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes, the slower pipe alone will be able to fill the tank in

Options :

1. 192 minutes
2. 108 minutes
3. 144 minutes
4. 80 minutes

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

Minimum Instruction Time : 0

A tap can fill an empty tank in 12 hours and another tap can empty half the tank in 10 hours. If both the taps are opened simultaneously, how long would it take for the empty tank to be filled to half its capacity?

Options :

1. 35 hours
2. 20 hours
3. 15 hours
4. 30 hours

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

Minimum Instruction Time : 0

In a certain code, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?

Options :

1. EOJDJEFM
2. EOJDEJF
3. MFEJDJOE
4. MFEDJJOE

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

Minimum Instruction Time : 0

Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, how many boys are there in the row?

Options :

1. 26
2. 24
3. 25
4. 22

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

Minimum Instruction Time : 0

The ages of Krish and Vaibhav are in the proportion of 3 : 5. After 9 years, the proportion of their ages will be 3 : 4. Then the current age of Vaibhav is:

Options :

1. 10

2. 13

3. 15

4. 18