

# Directorate of Medical Education and Training - Odisha

<b>Question Paper Name :</b>	Basic BSc Nursing 31st Aug 2023 Shift 3
<b>Subject Name :</b>	Basic BSc Nursing
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## **DMET Basic BSc Nursing Entrance Exam 2023**

<b>Group Number :</b>	1
<b>Group Id :</b>	98700213
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## **Physics**

<b>Section Id :</b>	98700261
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<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	20
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	98700261
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

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

**Minimum Instruction Time : 0**

In a half wave rectification,if the input frequency is 60Hz,then the output frequency would be

**Options :**

1. 30Hz
2. 60Hz
3. 120Hz
4. Zero

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

**Minimum Instruction Time : 0**

If the initial tension on a stretched string is doubled,then the ratio of the initial and final speeds of a transverse wave along the string is

**Options :**

1.  $\sqrt{2}:1$
2.  $1:\sqrt{2}$

3. 01:02

4. 01:01

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

**Minimum Instruction Time : 0**

The angular speed of a fly wheel moving with uniform angular acceleration changes from 1200 rpm to 3120 rpm in 16 seconds. The angular acceleration in  $\text{rad/s}^2$  is

**Options :**

1.  $4\pi$

2.  $12\pi$

3.  $104\pi$

4.  $2\pi$

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

**Minimum Instruction Time : 0**

Two pendulums of length 121 cm and 100 cm start vibrating in phase. At some instant, the two are at their mean position in the same phase. The minimum number of vibrations of the shorter pendulum after which the two are again in phase at the mean position is

**Options :**

1. 9

2. 10

3. 8

4. 11

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

**Minimum Instruction Time : 0**

A body is executing simple harmonic motion with frequency  $n$ , the frequency of its potential energy is

**Options :**

1.  $n$

2.  $2n$
3.  $3n$
4.  $4n$

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

**Minimum Instruction Time : 0**

The effective resistance of a parallel connection that consists of four wires of equal length, equal area of cross-section and same material is  $0.25\Omega$ . What will be the effective resistance if they are connected in series?

**Options :**

1.  $0.25\Omega$
2.  $0.5\Omega$
3.  $1\Omega$
4.  $4\Omega$

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

**Minimum Instruction Time : 0**

A lens of large focal length and large aperture is best suited as an objective of an astronomical telescope, since

**Options :**

1. a large aperture contributes to the quality and visibility of the images
2. a large area of the objective ensures better light gathering power
3. a large aperture provides a better resolution
4. All of the above

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

**Minimum Instruction Time : 0**

Polar molecules are the molecules

**Options :**

1. having zero dipole moment

2. acquire a dipole moment only in the presence of electric field due to displacement of charges.
3. acquire a dipole moment only when the magnetic field is absent
4. having a permanent electric dipole moment

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

**Minimum Instruction Time : 0**

Two conducting circular loops of radii  $R_1$  and  $R_2$  are placed in the same plane with their centres coinciding. If  $R_1 \gg R_2$ , the mutual inductance  $M$  between them will be directly proportional to

**Options :**

1.  $R_1/R_2$
2.  $R_2/R_1$
3.  $R_2^2/R_1$
4.  $R_1^2/R_2$

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

**Minimum Instruction Time : 0**

The electromagnetic wave with shortest wavelength among the following is

**Options :**

1. UV - rays
2. X- rays
3.  $\gamma$  -rays
4. microwaves

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

**Minimum Instruction Time : 0**

The efficiency of a Carnot engine depends upon

**Options :**

1. the temperature of the sink only
2. the temperature of the source and sink
3. the volume of the cylinder of the engine

4. the temperature of the source only

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

**Minimum Instruction Time : 0**

The wave nature of electrons was experimentally verified by

**Options :**

1. de-Broglie
2. Hertz
3. Einstein
4. Davisson and Germer

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

**Minimum Instruction Time : 0**

Which of the following gate is called universal gate?

**Options :**

1. OR gate
2. AND gate
3. NAND gate
4. NOT gate

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

**Minimum Instruction Time : 0**

An intrinsic semiconductor is converted into n-type extrinsic semiconductor by doping it with

**Options :**

1. phosphorous
2. aluminium
3. silver
4. germanium

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

**Minimum Instruction Time : 0**

What is the depth at which the value of acceleration due to gravity becomes  $1/n$  times the value that the surface of earth?(Radius of earth =  $R$ )

**Options :**

1.  $R/n^2$
2.  $R(n-1)/n$
3.  $Rn/(n-1)$
4.  $R/n$

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

**Minimum Instruction Time : 0**

The ratio of contributions made by the electric field and magnetic field components to the intensity of an electromagnetic wave is (where,  $c$  = speed of electromagnetic waves)

**Options :**

1. 1:1
2. 1:c
3. 1:c<sup>2</sup>
4. c:1

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

**Minimum Instruction Time : 0**

Two cylinders A and B of equal capacity are connected to each other via a stop cock. A contains an ideal gas at standard temperature and pressure. B is completely evacuated. The entire system is thermally insulated. The stop cock is suddenly opened. The process is

**Options :**

1. adiabatic
2. isochoric
3. isobaric
4. isothermal

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

**Minimum Instruction Time : 0**

A ball is thrown vertically downward with a velocity of  $20\text{ m/s}$  from the top of a tower. It hits the ground after some time with a velocity of  $80\text{ m/s}$ . The height of the tower is ( $g = 10\text{ m/s}^2$ )

**Options :**

1.  $340\text{ m}$
2.  $320\text{ m}$
3.  $300\text{ m}$
4.  $360\text{ m}$

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

**Minimum Instruction Time : 0**

For a p - type semiconductor, which of the following statement is true?

**Options :**

1. Holes are the majority carriers and trivalent atoms are the dopants.
2. Holes are the majority carriers and pentavalent atoms are the dopants
3. Electrons are the majority carriers and pentavalent atoms are the dopants
4. Electrons are the majority carriers and trivalent atoms are the dopants

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

**Minimum Instruction Time : 0**

Two point charges A and B, having charges  $+Q$  and  $-Q$  respectively, are placed at certain distance apart and force acting between them is  $F$ . If 25% charge of A is transferred to B, then force between the charges becomes

**Options :**

1.  $9F/16$
2.  $16F/9$
3.  $4F/3$
4.  $F$



# Chemistry

Section Id :	98700262
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
Sub-Section Number :	1
Sub-Section Id :	98700262
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**

Gadolinium has a low value of third ionisation enthalpy because of

**Options :**

1. high exchange enthalpy
2. high electronegativity
3. high basic character
4. small size

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

**Minimum Instruction Time : 0**

The IUPAC name of the complex  $[\text{Ag}(\text{H}_2\text{O})_2][\text{Ag}(\text{CN})_2]$  is

**Options :**

1. diaquasilver(II) dicyanidoargentate(II)
2. dicyanidosilver (I) diaquaargentate(I)
3. diaquasilver(I)dicyanidoargentate(I)
4. dicyanidosilver(II) diaquaargentate(II)

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

**Minimum Instruction Time : 0**

Which statement regarding polymer is not correct?

**Options :**

1. Fibers possess high tensile strength
2. Thermoplastic polymers are capable of repeatedly softening and hardening on heating and cooling respectively
3. Thermosetting polymers are reusable
4. Elastomers have polymer chains held together by intermolecular forces

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

**Minimum Instruction Time : 0**

Which amongst the following is incorrect statement?

**Options :**

1. C<sub>2</sub> molecule has four electrons in its two degenerate  $\pi$  molecular orbitals.
2. H<sub>2</sub><sup>+</sup> ion has one electron
3. O<sub>2</sub><sup>+</sup> ion is diamagnetic
4. The bond orders of O<sub>2</sub><sup>+</sup>, O<sub>2</sub>, O<sub>2</sub><sup>-</sup> and O<sub>2</sub><sup>2-</sup> are 2.5, 2, 1.5 and 1 respectively.

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

**Minimum Instruction Time : 0**

Noble gases are named because inertness towards reactivity. Identify the incorrect statement towards them.

**Options :**

1. Noble gases are sparingly soluble in water.

2. Noble gases have very high melting and boiling points.
3. Noble gases have weak dispersion forces.
4. Noble gases have large positive values of electron gain enthalpy.

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

**Minimum Instruction Time : 0**

Which one of the following methods can be used to obtain highly pure metal which is liquid at room temperature?

**Options :**

1. Electrolysis
2. Chromatography
3. Distillation
4. Zone refining

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

**Minimum Instruction Time : 0**

Which one among the following is the correct option for right relationship between  $C_p$  and  $C_v$  for one mole of ideal gas?

**Options :**

1.  $C_p + C_v = R$
2.  $C_p - C_v = R$
3.  $C_p = RC_v$
4.  $C_v = RC_p$

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

**Minimum Instruction Time : 0**

Among the following alkaline earth metal halides, one which is covalent and soluble in organic solvent is

**Options :**

1. calcium chloride

2. strontium chloride
3. magnesium chloride
4. beryllium chloride

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

**Minimum Instruction Time : 0**

Ethylene diaminetetraacetate (EDTA) ion is

**Options :**

1. hexadentate ligand with four O and two N donor atoms
2. unidentate ligand
3. bidentate ligand with two N donor atoms
4. tridentate ligand with three N donor atoms

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

**Minimum Instruction Time : 0**

An organic compound contains 78% (by wt.) carbon and remaining percentage of hydrogen. The right option for the empirical formula of this compound is [At. wt. of C is 12, H is 1 ]

**Options :**

1. CH
2. CH<sub>2</sub>
3. CH<sub>3</sub>
4. CH<sub>4</sub>

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

**Minimum Instruction Time : 0**

Which of the following molecules is non-polar in nature?

**Options :**

1. POCl<sub>3</sub>
2. CH<sub>2</sub>O
3. SbCl<sub>5</sub>

4. NO<sub>2</sub>

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

**Minimum Instruction Time : 0**

Reaction of propanamide with ethanolic sodium hydroxide and bromine will give

**Options :**

1. ethylamine
2. methylamine
3. propylamineaniline
4. aniline

**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 about bakelite?

**Options :**

1. It is a cross linked polymer
2. It is an addition polymer
3. It is a branched chain polymer
4. It is a linear polymer

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

**Minimum Instruction Time : 0**

Identify the incorrect statement from the following.

**Options :**

1. Zirconium and hafnium have identical radii of 160 pm and 159 pm, respectively as a consequence of lanthanoid contraction.
2. Lanthanoids reveal only +3 oxidation state.
3. The lanthanoid ions other than the f<sub>0</sub> type and the f<sub>14</sub> type are all paramagnetic.
4. The overall decrease in atomic and ionic radii from lanthanum to lutetium is called lanthanoid contraction.

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

**Minimum Instruction Time : 0**

The number of angular nodes and radial nodes in 3s orbital are

**Options :**

1. 0 and 2, respectively
2. 1 and 0, respectively
3. 3 and 0, respectively
4. 0 and 1, respectively

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

**Minimum Instruction Time : 0**

Which among the following salt solution is basic in nature?

**Options :**

1. Ammonium chloride
2. Ammonium sulphate
3. Ammonium nitrate
4. Sodium acetate

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

**Minimum Instruction Time : 0**

Which of the following statement is not true about glucose?

**Options :**

1. It is an aldohexose
2. It contains five hydroxyl groups.
3. It is a reducing sugar.
4. It is an aldopentose

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

**Minimum Instruction Time : 0**

Which of the following compounds show both, Frenkel as well as Schottky defects

**Options :**

1. AgBr
2. AgI
3. NaCl
4. ZnS

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

**Minimum Instruction Time : 0**

On electrolysis of dilute sulphuric acid using platinum (Pt) electrode, the product obtained at anode will be

**Options :**

1. Oxygen gas
2. H<sub>2</sub>S gas
3. SO<sub>2</sub> gas
4. Hydrogen gas

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

**Minimum Instruction Time : 0**

Urea reacts with water to form A which will decompose to form B. B when passed through Cu<sup>2+</sup>(aq), deep blue colour solution C is formed. What is the formula of C from the following?

**Options :**

1. [Cu(NH<sub>3</sub>)<sub>4</sub>]<sup>2+</sup>
2. Cu(OH)<sub>2</sub>
3. CuCO<sub>3</sub>.Cu(OH)<sub>2</sub>
4. CuSO<sub>4</sub>

## Biology

<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	20
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	98700263
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

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

What amount of energy is released from glucose during lactic acid fermentation?

**Options :**

1. More than 18%
2. About 10%
3. Less than 7%
4. Approximately 15%

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

The process of translation of mRNA to proteins begins as soon as

**Options :**

1. the larger subunit of ribosome encounters mRNA
2. both the subunits join together to bind with mRNA
3. the tRNA is activated and the larger subunit of ribosome encounters mRNA



4. the small subunit of ribosome encounters mRNA

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

**Minimum Instruction Time : 0**

Which of the following occurs due to the presence of autosome linked dominant trait?

**Options :**

1. Myotonic dystrophy
2. Haemophilia
3. Thalassemia
4. Sickle cell anaemia

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

**Minimum Instruction Time : 0**

Which of the following is present between the adjacent bones of the vertebral column?

**Options :**

1. Cartilage
2. Areolar tissue
3. Smooth muscle
4. Intercalated discs

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

**Minimum Instruction Time : 0**

In the taxonomic categories, which hierarchical arrangement in ascending order is correct in case of animals?

**Options :**

1. Kingdom, Class, Phylum, Family, Order, Genus, Species
2. Kingdom, Order, Class, Phylum, Family, Genus, Species
3. Kingdom, Order, Phylum, Class, Family, Genus, Species
4. Kingdom, Phylum, Class, Order, Family, Genus, Species

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

**Minimum Instruction Time : 0**

Identify the microorganism which is responsible for the production of an immunosuppressive molecule cyclosporin-A.

**Options :**

1. Clostridium butylicum
2. Aspergillus niger
3. Streptococcus cerevisiae
4. Trichoderma polysporum

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

**Minimum Instruction Time : 0**

Which one of the following statements is correct?

**Options :**

1. The tricuspid and the bicuspid valves open due to the pressure exerted by the simultaneous contraction of the atria
2. Blood moves freely from atrium to the ventricle during joint diastole
3. Increased ventricular pressure causes closing of the semilunar valves
4. The Atrio-Ventricular Node(AVN)generates an action potential to stimulate atrial contraction

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

**Minimum Instruction Time : 0**

Gemmae are present in

**Options :**

1. mosses
2. pteridophytes
3. some gymnosperms
4. some liver worts

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

**Minimum Instruction Time : 0**

Mutations in plant cells can be induced by

**Options :**

1. kinetin
2. infrared rays
3. gamma rays
4. zeatin

**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?

**Options :**

1. Fusion of two cells is called karyogamy
2. Fusion of protoplasm between two motile or non-motile gametes is called plasmogamy
3. Organisms that depend on living plants are called saprophytes
4. Some of the organisms can fix atmospheric nitrogen in specialised cells called sheath cells

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

**Minimum Instruction Time : 0**

Which of the following organisms bears hollow and pneumatic long bones?

**Options :**

1. Neophron
2. Hemidactylus
3. Macropus
4. Ornithorhynchus

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

**Minimum Instruction Time : 0**

In the equation  $GPP - R = NPP$ , R represents

**Options :**

1. radiant energy
2. retardation factor
3. environment factor
4. respiration losses

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

Which is the "only enzyme" that has the "capability" to catalyse initiation, elongation and termination in the process of transcription in prokaryotes?

**Options :**

1. DNA- dependent DNA polymerase
2. DNA-dependent RNA polymerase
3. DNA ligase
4. Dnase

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

Identify the incorrect pair.

**Options :**

1. Alkaloids-Codeine
2. Toxin-Abrin
3. Lectins-Concanavalin-A
4. Drugs-Ricin

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

Chromosomal theory of inheritance was proposed by

**Options :**

1. Sutton and Boveri
2. Bateson and Punnett

3. TH Morgan

4. Weston and Crick

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

**Minimum Instruction Time : 0**

Large, empty colourless cells of the adaxial epidermis along the veins of grass leaves are

**Options :**

1. lenticels

2. guard cells

3. bundle sheath cells

4. bulliform cells

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

**Minimum Instruction Time : 0**

Hormones stored and released from neurohypophysis are

**Options :**

1. thyroid stimulating hormone and oxytocin

2. oxytocin and vasopressin

3. follicle stimulating hormone and leutinizing hormone

4. prolactin and vasopressin

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

**Minimum Instruction Time : 0**

The proteolytic enzyme renin is found in

**Options :**

1. intestinal juice

2. bile juice

3. gastric juice

4. pancreatic juice

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

**Minimum Instruction Time : 0**

Which of the following is not an inhibitory substance governing seed dormancy?

**Options :**

1. Abscisic acid
2. Phenolic acid
3. Para-ascorbic acid
4. Gibberellic acid

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

**Minimum Instruction Time : 0**

The first phase of translation is

**Options :**

1. recognition of DNA molecule
2. aminoacylation of tRNA
3. recognition of an anti-codon
4. binding of mRNA to ribosome

## English

<b>Section Id :</b>	98700264
<b>Section Number :</b>	4
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	20
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0

**Sub-Section Number :** 1  
**Sub-Section Id :** 98700264  
**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**

We should not lose \_\_\_\_\_ in God

**Options :**

1. faith
2. faithful
3. faithfully
4. faithfulness

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

**Minimum Instruction Time : 0**

Every \_\_\_\_\_ has its own history.

**Options :**

1. achieve
2. achievement
3. achieving
4. achieved

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

**Minimum Instruction Time : 0**

The old man lacks physical \_\_\_\_\_ .

**Options :**

1. strong
2. strength
3. strongly

4. stronger

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

**Minimum Instruction Time : 0**

The poor children got the bags \_\_\_\_\_.

**Options :**

1. freely
2. freedom
3. free
4. freeness

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

**Minimum Instruction Time : 0**

The Prime Minister is the \_\_\_\_\_head of the government.

**Options :**

1. politics
2. political
3. politically
4. politician

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

**Minimum Instruction Time : 0**

Kolkata is a \_\_\_\_\_ city.

**Options :**

1. Population
2. Populated
3. Populous
4. People

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



**Minimum Instruction Time : 0**

The police found no \_\_\_\_\_ evidence against the man.

**Options :**

1. circumstances
2. circumstantial
3. circumspect
4. circumstance

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

**Minimum Instruction Time : 0**

He sells earthen wares in the \_\_\_\_\_ market.

**Options :**

1. weakly
2. weekly
3. week
4. weak - wise

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

**Minimum Instruction Time : 0**

We need to find a \_\_\_\_\_ to the problem as soon as possible.

**Options :**

1. solve
2. solution
3. solved
4. solving

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

**Minimum Instruction Time : 0**

Manas is very \_\_\_\_\_. He wants to be number one at everything.

**Options :**

1. competent
2. competing
3. competitive
4. competition

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

**Minimum Instruction Time : 0**

Severity of air pollution is found more in \_\_\_\_\_ countries.

**Options :**

1. develop
2. developing
3. developed
4. development

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

**Minimum Instruction Time : 0**

I \_\_\_\_\_ think that there is no point in arguing with him.

**Options :**

1. honest
2. honesty
3. honestly
4. dishonest

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

**Minimum Instruction Time : 0**

Anish \_\_\_\_\_ already left when we arrived.

**Options :**

1. has
2. was
3. is

4. had

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

**Minimum Instruction Time : 0**

He practiced \_\_\_\_\_ quickly a number of times.

**Options :**

1. to start
2. starting
3. start
4. to have started

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

**Minimum Instruction Time : 0**

The weather appears \_\_\_\_\_ changing.

**Options :**

1. to be
2. to have been
3. to become
4. being

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

**Minimum Instruction Time : 0**

He talks as if he \_\_\_\_\_ everything.

**Options :**

1. knows
2. knowing
3. know
4. known

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

**Minimum Instruction Time : 0**

He has specialized \_\_\_\_\_ medicine.

**Options :**

1. in
2. at
3. with
4. on

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

**Minimum Instruction Time : 0**

The hotel is adjacent \_\_\_\_\_ the police station.

**Options :**

1. into
2. to
3. at
4. by

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

**Minimum Instruction Time : 0**

The sailor is sailing \_\_\_\_\_ the wind.

**Options :**

1. towards
2. for
3. against
4. opposite

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

**Minimum Instruction Time : 0**

The man is addicted \_\_\_\_\_ Gambling.

**Options :**

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

## Aptitude for Nursing

<b>Section Id :</b>	98700265
<b>Section Number :</b>	5
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	20
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	98700265
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

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

**Minimum Instruction Time : 0**

A is 2 years older than B who is twice as old as C.If the total of the ages of A,B and C be 27,then how old is B?

**Options :**

1. 7 years
2. 8 years
3. 9 years

4. 10 years

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

**Minimum Instruction Time : 0**

Complete the series.8,9,11,14,18,23,.....

**Options :**

1. 28

2. 30

3. 32

4. 29

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

**Minimum Instruction Time : 0**

Find the missing term 3,7,13,21,31,.....

**Options :**

1. 40

2. 41

3. 42

4. 43

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

**Minimum Instruction Time : 0**

Complete the series.2,3,5,8,13,21,.....

**Options :**

1. 29

2. 30

3. 32

4. 34

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

**Minimum Instruction Time : 0**

Find the missing term 5,11,25,55,117,243,.....

**Options :**

1. 511
2. 499
3. 498
4. 497

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

**Minimum Instruction Time : 0**

Find the missing term 11,26,56,101,161,.....

**Options :**

1. 236
2. 226
3. 216
4. 206

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

**Minimum Instruction Time : 0**

In a certain code ,ARCHIVE is written as DSBGFWJ . How is SYSTEMS is written in that code?

**Options :**

1. TZTSTUN
2. TZTSTNF
3. TZTUTNF
4. TZTNTFS

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

**Minimum Instruction Time : 0**

If NAMO = 172 and OM = 56 then,SHIVAY = ?

**Options :**

1. 606
2. 415
3. 504
4. 404

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

**Minimum Instruction Time : 0**

How many meaningful English words can be formed with the letters LGEU using each letter only once in each word?

**Options :**

1. Zero
2. One
3. Two
4. Four

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

**Minimum Instruction Time : 0**

Chalk : Blackboard :: ? : ?

**Options :**

1. Type : Paint
2. Table : Chair
3. Ink : Paper
4. Door : Handle

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

**Minimum Instruction Time : 0**

Shoe : Leather :: ? : ?

**Options :**

1. Medicine : Doctor
2. Highway : Asphalt



3. Train : Wagon
4. Bus : Conductor

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

**Minimum Instruction Time : 0**

Muslim : Mosque : : Sikhs :

**Options :**

1. Golden Temple
2. Medina
3. Fire Temple
4. Gurudwar

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

**Minimum Instruction Time : 0**

In a code CORNER is written as GSVRIV. How can CENTRAL be written in that code?

**Options :**

1. DFOUSBM
2. GIRXVEP
3. GNFJKER
4. none of these

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

**Minimum Instruction Time : 0**

COUNSEL is coded as BITIRAK, how is GUIDANCE written in that code?

**Options :**

1. EOHYZKBB
2. FOHYZJBB
3. FPHZZKAB
4. HOHYBJBA

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

**Minimum Instruction Time : 0**

Arrange these words in alphabetical order and tick the one that comes last 1.Abandon 2.Actuate  
3.Accumulate 4.Acquit 5.Achieve

**Options :**

1. Actuate
2. Accumulate
3. Acquit
4. Achieve

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

**Minimum Instruction Time : 0**

How many independent words can 'HEARTLESS' be divided into without changing the order of the letters and using each letter only once?

**Options :**

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

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

**Minimum Instruction Time : 0**

Poor : Money :: ? : ?

**Options :**

1. Weak : Bold
2. Bold : Dark
3. Strong : Body
4. Weak : Strength

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

**Minimum Instruction Time : 0**

Find the missing alphabet in the given sequence? A,Z,Y,B,C,?,W,D

**Options :**

1. E
2. Z
3. X
4. F

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

**Minimum Instruction Time : 0**

Thick is related to Thin in the same way Idle is related to.....?

**Options :**

1. Virtuous
2. Business
3. Industrious
4. Activity

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

**Minimum Instruction Time : 0**

Moon:Satellite::Earth:?

**Options :**

1. Sun
2. Planet
3. Solar System
4. Asteroid