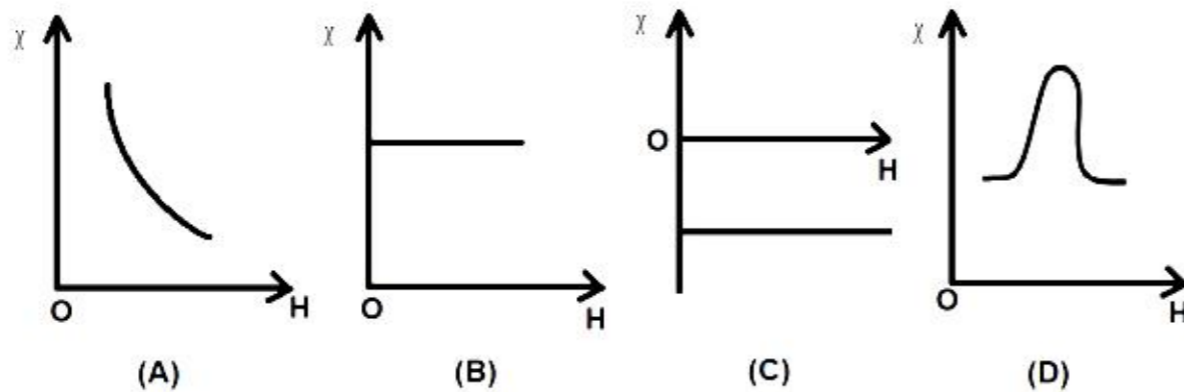


Q.1 Which graph shows the variation of magnetic susceptibility (χ) with magnetising field (H) for a paramagnetic substance ?



Ans

1. (A)

2. (C)

3. (B)

4. (D)

Question Type : MCQ

Question ID : 37135113527

Option 1 ID : 37135154105

Option 2 ID : 37135154107

Option 3 ID : 37135154106

Option 4 ID : 37135154108

Status : Answered

Chosen Option : 2

Q.2

A block of mass 'm' moving on a frictionless surface at speed 'V' collides elastically with a block of same mass, initially at rest. Now the first block moves at an angle 'θ' with its initial direction and has speed 'V₁'. The speed of the second block after collision is

Ans

✗ 1. $\sqrt{V^2 + V_1^2}$

✗ 2. $\sqrt{V - V_1}$

✓ 3. $\sqrt{V^2 - V_1^2}$

✗ 4. $\sqrt{V_1^2 - V^2}$

Question Type : MCQ

Question ID : 37135113506

Option 1 ID : 37135154023

Option 2 ID : 37135154024

Option 3 ID : 37135154021

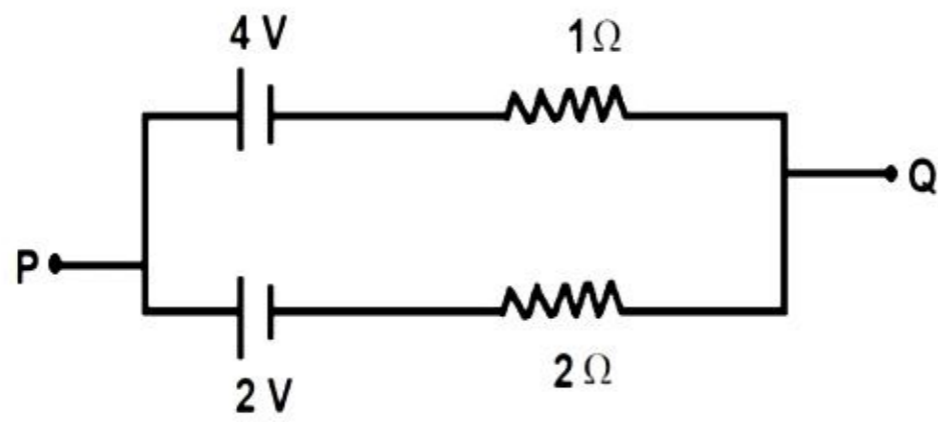
Option 4 ID : 37135154022

Status : Answered

Chosen Option : 3

Q.3

In the following circuit, what is the voltage across PQ ?



Ans

1. $\frac{5}{3} V$

2. $\frac{14}{3} V$

3. $\frac{8}{3} V$

4. $\frac{11}{3} V$

Question Type : MCQ

Question ID : 37135113509

Option 1 ID : 37135154036

Option 2 ID : 37135154033

Option 3 ID : 37135154035

Option 4 ID : 37135154034

Status : Answered

Chosen Option : 3

Q.4 A charge 'q' is circulating with constant speed 'V' in a semi-circular loop of wire of radius 'R'. The magnetic moment of this loop is

Ans

✓ 1. $\frac{qV\pi R}{2(\pi+2)}$

✗ 2. qVR

✗ 3. $\frac{qVR}{\pi+2}$

✗ 4. $\frac{qVR}{\pi}$

Question Type : **MCQ**

Question ID : **37135113514**

Option 1 ID : **37135154056**

Option 2 ID : **37135154053**

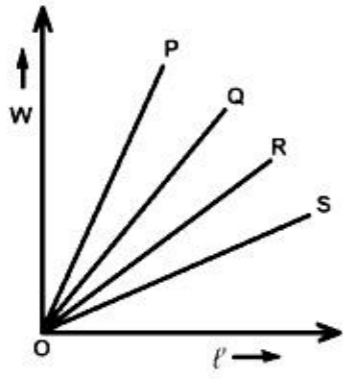
Option 3 ID : **37135154055**

Option 4 ID : **37135154054**

Status : **Answered**

Chosen Option : **1**

Q.5 Following graph shows the variation of load (w) versus elongation (ℓ) for four wires of the same length and material represented by lines OP, OQ, OR and OS. Which line represents the thickest wire?



Ans

1. line OQ

2. line OP

3. line OR

4. line OS

Question Type : MCQ

Question ID : 37135113539

Option 1 ID : 37135154155

Option 2 ID : 37135154156

Option 3 ID : 37135154154

Option 4 ID : 37135154153

Status : Answered

Chosen Option : 2

Q.6

The bob of a simple pendulum is released at time $t = 0$ from a position of small angular displacement. Its linear displacement is (l = length of simple pendulum and g = acceleration due to gravity, A = amplitude of S.H.M.)

Ans

✗ 1. $A \sin \left(\sqrt{\frac{l}{g}} t \right)$

✓ 2. $A \cos \left(\sqrt{\frac{g}{l}} t \right)$

✗ 3. $A \cos \left(\sqrt{\frac{l}{g}} t \right)$

✗ 4. $A \sin \left(\sqrt{\frac{g}{l}} t \right)$

Question Type : MCQ

Question ID : 37135113515

Option 1 ID : 37135154058

Option 2 ID : 37135154060

Option 3 ID : 37135154057

Option 4 ID : 37135154059

Status : Answered

Chosen Option : 4

Q.7 The sensitivity of a milliammeter of range 0 to 50 mA is $x \frac{\text{div}}{\text{mA}}$. If it is converted into an ammeter of range 500 mA by using a suitable shunt then the sensitivity will be

Ans

1. $\frac{x}{20} \frac{\text{div}}{\text{mA}}$

2. $\frac{x}{5} \frac{\text{div}}{\text{mA}}$

3. $\frac{x}{15} \frac{\text{div}}{\text{mA}}$

4. $\frac{x}{10} \frac{\text{div}}{\text{mA}}$

Question Type : MCQ

Question ID : 37135113511

Option 1 ID : 37135154044

Option 2 ID : 37135154041

Option 3 ID : 37135154043

Option 4 ID : 37135154042

Status : Answered

Chosen Option : 4

Q.8

Let the physical quantity be $x = \frac{a^2 b^2}{c}$. If the percentage error in the measurement of a, b and c is 2%, 3% and 4% respectively then percentage error in the measurement of 'x' is

Ans

✓ 1. 14%

✗ 2. 7%

✗ 3. 28%

✗ 4. 21%

Question Type : MCQ

Question ID : 37135113501

Option 1 ID : 37135154002

Option 2 ID : 37135154001

Option 3 ID : 37135154004

Option 4 ID : 37135154003

Status : Answered

Chosen Option : 2

Q.9

The phase difference between the voltage and the current in an a.c. circuit is $\frac{\pi}{4}$.

If the frequency is 50 Hz then the phase difference is equivalent to a time of

Ans

✗ 1. $4 \cdot 5 \times 10^{-3} \text{ s}$

✗ 2. $1 \cdot 5 \times 10^{-3} \text{ s}$

✗ 3. $3 \cdot 5 \times 10^{-3} \text{ s}$

✓ 4. $2 \cdot 5 \times 10^{-3} \text{ s}$

Question Type : MCQ

Question ID : 37135113508

Option 1 ID : 37135154032

Option 2 ID : 37135154029

Option 3 ID : 37135154031

Option 4 ID : 37135154030

Status : Answered

Chosen Option : 3

Q.10

A particle of mass 4 gram moves along a circle of radius $\frac{10^2}{2\pi}$ cm with constant tangential acceleration. After beginning of the motion, by the end of second revolution, the kinetic energy of the particle becomes 18×10^{-5} J. Magnitude of tangential acceleration is

Ans

1. $2.25 \times 10^{-6} \text{ m/s}^2$

2. $2.25 \times 10^{-5} \text{ m/s}^2$

3. $2.25 \times 10^{-4} \text{ m/s}^2$

4. $2.25 \times 10^{-3} \text{ m/s}^2$

Question Type : MCQ

Question ID : 37135113532

Option 1 ID : 37135154128

Option 2 ID : 37135154126

Option 3 ID : 37135154125

Option 4 ID : 37135154127

Status : Answered

Chosen Option : 3

Q.11 In a series LCR circuit at resonance, the applied e.m.f. of the source and current in the circuit are

Ans

1. out of phase.

2. differ in phase by $\frac{\pi}{2}$ rad.

3. in phase.

4. differ in phase by $\frac{\pi}{4}$ rad.

Question Type : MCQ

Question ID : 37135113530

Option 1 ID : 37135154118

Option 2 ID : 37135154119

Option 3 ID : 37135154117

Option 4 ID : 37135154120

Status : Answered

Chosen Option : 2

Q.12 The length of antenna required to transmit the signals of frequency 1.5×10^8 Hz is
[velocity of light in air, $c = 3 \times 10^8$ m/s]

Ans

1. 50 cm

2. 40 cm

3. 50 m

4. 20 cm

Question Type : MCQ

Question ID : 37135113522

Option 1 ID : 37135154085

Option 2 ID : 37135154087

Option 3 ID : 37135154086

Option 4 ID : 37135154088

Status : Answered

Chosen Option : 2

Q.13 When a ray of light is refracted from one medium to another, then the wavelength changes from 6000 \AA to 4000 \AA . The critical angle for the interface will be

Ans

✗ 1. $\cos^{-1} \left(\frac{2}{3} \right)$

✗ 2. $\sin^{-1} \left(\frac{2}{\sqrt{3}} \right)$

✗ 3. $\cos^{-1} \left(\frac{2}{\sqrt{3}} \right)$

✓ 4. $\sin^{-1} \left(\frac{2}{3} \right)$

Question Type : MCQ

Question ID : 37135113519

Option 1 ID : 37135154073

Option 2 ID : 37135154074

Option 3 ID : 37135154076

Option 4 ID : 37135154075

Status : Answered

Chosen Option : 3

Q.14 If 'I' is the moment of inertia and 'L' is angular momentum of a rotating body, then

$\frac{L^2}{2I}$ is its

Ans

✗ 1. linear momentum

✗ 2. torque

✗ 3. translational kinetic energy

✓ 4. rotational kinetic energy

Question Type : MCQ

Question ID : 37135113546

Option 1 ID : 37135154181

Option 2 ID : 37135154182

Option 3 ID : 37135154184

Option 4 ID : 37135154183

Status : Answered

Chosen Option : 1

Q.15 If the frequency of oscillation of a simple pendulum in simple harmonic motion is 'n', then frequency of oscillation of simple pendulum when length is 4 times is

Ans

1. $4n$

2. $2n$

3. n

4. $\frac{n}{2}$

Question Type : **MCQ**

Question ID : **37135113510**

Option 1 ID : **37135154040**

Option 2 ID : **37135154039**

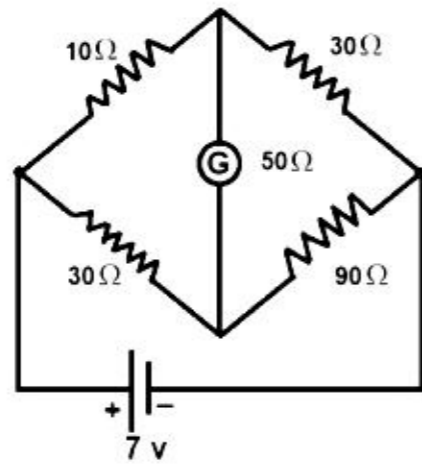
Option 3 ID : **37135154037**

Option 4 ID : **37135154038**

Status : **Answered**

Chosen Option : **1**

Q.16 In the following circuit, the internal resistance of the cell is 5Ω , the current drawn from the cell will be



Ans

1. 0.4 A

2. 0.1 A

3. 0.2 A

4. 0.3 A

Question Type : MCQ

Question ID : 37135113516

Option 1 ID : 37135154064

Option 2 ID : 37135154061

Option 3 ID : 37135154062

Option 4 ID : 37135154063

Status : Answered

Chosen Option : 3

Q.17 The third overtone of a closed pipe is in unison with the second overtone of an open pipe. Hence the ratio of the length of the closed pipe to that of the open pipe is

Ans

1. $1 : 2$

2. $6 : 7$

3. $7 : 6$

4. $3 : 2$

Question Type : MCQ

Question ID : 37135113526

Option 1 ID : 37135154103

Option 2 ID : 37135154102

Option 3 ID : 37135154101

Option 4 ID : 37135154104

Status : Answered

Chosen Option : 4

Q.18 Two rings of radii R and nR made from the same wire have the ratio of moments of inertia about an axis passing through their centre and perpendicular to the plane of the rings is $1 : 8$. The value of n is

Ans

1. $\frac{1}{2}$

2. $2\sqrt{2}$

3. 2

4. 4

Question Type : MCQ

Question ID : 37135113550

Option 1 ID : 37135154197

Option 2 ID : 37135154199

Option 3 ID : 37135154198

Option 4 ID : 37135154200

Status : Answered

Chosen Option : 2

Q.19 The angle of polarisation for a medium is 60° . The critical angle for this will be

$$(\tan 60^\circ = \sqrt{3})$$

Ans

✗ 1. $\cos^{-1}(\sqrt{3})$

✗ 2. $\tan^{-1}(\sqrt{3})$

✗ 3. $\sin^{-1}(\sqrt{3})$

✓ 4. $\sin^{-1}\left(\frac{1}{\sqrt{3}}\right)$

Question Type : MCQ

Question ID : 37135113502

Option 1 ID : 37135154006

Option 2 ID : 37135154007

Option 3 ID : 37135154005

Option 4 ID : 37135154008

Status : Answered

Chosen Option : 2

Q.20

A particle of mass 'm' is rotating in a horizontal circle of radius 'r' with uniform velocity \vec{V} . The change in its momentum at two diametrically opposite points will be

Ans

✗ 1. $m\vec{V}$

✗ 2. $3m\vec{V}$

✓ 3. $-2m\vec{V}$

✗ 4. $-m\vec{V}$

Question Type : MCQ

Question ID : 37135113544

Option 1 ID : 37135154174

Option 2 ID : 37135154176

Option 3 ID : 37135154175

Option 4 ID : 37135154173

Status : Answered

Chosen Option : 3

Q.21 In hydrogen atom, during the transition of electron from n^{th} outer orbit to first Bohr orbit, a photon of wavelength ' λ ' is emitted. The value of ' n ' is
[R = Rydberg's constant]

Ans

✓ 1. $\sqrt{\frac{\lambda R}{\lambda R - 1}}$

✗ 2. $\sqrt{\frac{\lambda R - 1}{\lambda R}}$

✗ 3. $\sqrt{\lambda R (\lambda R - 1)}$

✗ 4. $\sqrt{\lambda (R - 1)}$

Question Type : MCQ

Question ID : 37135113517

Option 1 ID : 37135154067

Option 2 ID : 37135154066

Option 3 ID : 37135154065

Option 4 ID : 37135154068

Status : Answered

Chosen Option : 2

Q.22 Two identical wires of same length are vibrating in unison with a tuning fork, under same tension. The length of one wire is decreased by 1 cm and it produces 3 beats per second with the tuning fork. The length of other wire is increased by 1 cm and it produces 2 beats per second with the tuning fork. If the original length of wire is 67 cm, the frequency of the tuning fork is

Ans

✓ 1. 167 Hz

✗ 2. 166 Hz

✗ 3. 165 Hz

✗ 4. 168 Hz

Question Type : **MCQ**

Question ID : **37135113529**

Option 1 ID : **37135154115**

Option 2 ID : **37135154114**

Option 3 ID : **37135154113**

Option 4 ID : **37135154116**

Status : **Answered**

Chosen Option : **2**

Q.23

The surface density of charge on the surface of a charged conductor in air is $0.885 \frac{\mu\text{C}}{\text{m}^2}$. The outward force per unit area of charged conductor is

$(\epsilon_0 = 8.85 \times 10^{-12} \frac{\text{C}^2}{\text{N}\cdot\text{m}^2})$

Ans

1. $5 \times 10^{-3} \frac{\text{N}}{\text{m}^2}$

2. $4.425 \times 10^{-2} \frac{\text{N}}{\text{m}^2}$

3. $5 \times 10^{-2} \frac{\text{N}}{\text{m}^2}$

4. $8.85 \times 10^{-2} \frac{\text{N}}{\text{m}^2}$

Question Type : MCQ

Question ID : 37135113507

Option 1 ID : 37135154028

Option 2 ID : 37135154026

Option 3 ID : 37135154025

Option 4 ID : 37135154027

Status : Answered

Chosen Option : 2

Q.24 An electron moving with initial velocity $\vec{V} = V_0\hat{i}$ is moving in a magnetic field $\vec{B} = B_0\hat{j}$ then its de-Broglie wavelength

Ans

1. increases with time.

2.

first increases and then decreases.

3. decreases with time.

4. remains constant.

Question Type : MCQ

Question ID : 37135113503

Option 1 ID : 37135154009

Option 2 ID : 37135154010

Option 3 ID : 37135154012

Option 4 ID : 37135154011

Status : Answered

Chosen Option : 1

Q.25 The r.m.s. velocity of hydrogen molecules at temperature T is seven times the r.m.s. velocity of nitrogen molecules at 300 K. This temperature T is (Molecular weights of hydrogen and nitrogen are 2 and 28 respectively)

Ans

1. 1050 K

2. 1700 K

3. 1350 K

4. 2100 K

Question Type : MCQ

Question ID : 37135113505

Option 1 ID : 37135154020

Option 2 ID : 37135154018

Option 3 ID : 37135154019

Option 4 ID : 37135154017

Status : Answered

Chosen Option : 2

Q.26 Light of frequency 2 times the threshold frequency is incident on a photo sensitive material. If the frequency is made $\frac{1}{3}$ rd and intensity is doubled then the photocurrent will

Ans

1. be doubled

2. be zero

3. be $\frac{1}{3}$ rd

4. be tripled

Question Type : MCQ

Question ID : 37135113537

Option 1 ID : 37135154146

Option 2 ID : 37135154147

Option 3 ID : 37135154148

Option 4 ID : 37135154145

Status : Answered

Chosen Option : 1

Q.27 A circular disc 'X' of radius 'R' made from iron plate of thickness 't' has moment of inertia ' I_x ' about an axis passing through the centre of disc and perpendicular to its plane. Another disc 'Y' of radius '3R' made from an iron plate of thickness $\left(\frac{t}{3}\right)$ has moment of inertia ' I_y ' about the axis same as that of disc X. The relation between I_x and I_y is

Ans

1. $I_y = 9 I_x$

2. $I_y = I_x$

3. $I_y = 27 I_x$

4. $I_y = 3 I_x$

Question Type : **MCQ**

Question ID : **37135113520**

Option 1 ID : **37135154079**

Option 2 ID : **37135154077**

Option 3 ID : **37135154080**

Option 4 ID : **37135154078**

Status : **Answered**

Chosen Option : **4**

Q.28 A wooden block is placed on a rough horizontal surface. It is given a velocity 'u' m/s and coefficient of friction between the block and the surface is ' μ '. The distance covered by the block before coming to rest is (g = acceleration due to gravity)

Ans

1. $\frac{u^2}{\mu g}$

2. $\frac{u^2}{2\mu g}$

3. $\frac{u}{\mu g}$

4. $\frac{u}{\mu^2 g}$

Question Type : MCQ

Question ID : 37135113533

Option 1 ID : 37135154131

Option 2 ID : 37135154129

Option 3 ID : 37135154130

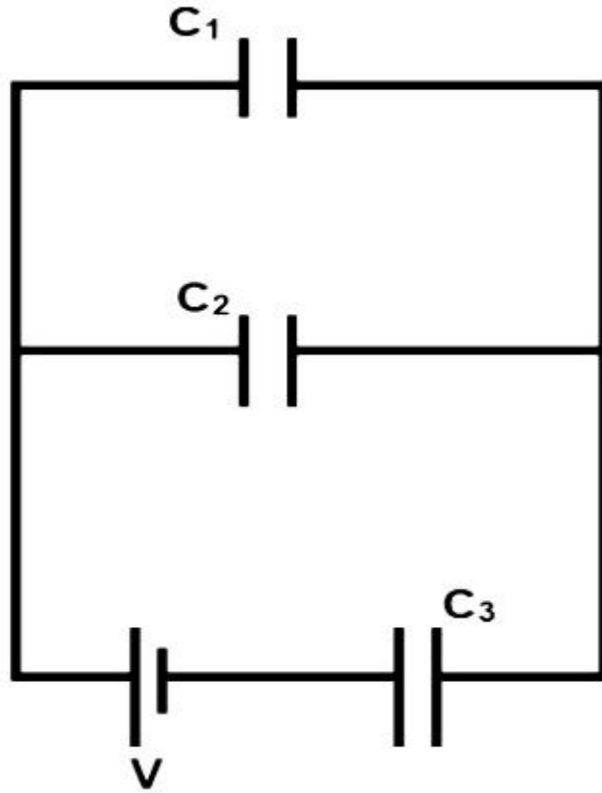
Option 4 ID : 37135154132

Status : Answered

Chosen Option : 2

Q.29

In the figure shown, the voltage across C_3 will be



Ans

1. $\frac{C_1 V}{C_1 + C_2 + C_3}$

2. $\frac{C_3 V}{C_1 + C_2 + C_3}$

3. $\frac{C_2 V}{C_1 + C_2 + C_3}$

4. $\frac{(C_1 + C_2) V}{C_1 + C_2 + C_3}$

Question Type : MCQ

Question ID : 37135113521

Option 1 ID : 37135154082

Option 2 ID : 37135154084

Option 3 ID : 37135154083

Option 4 ID : 37135154081

Status : Answered

Chosen Option : 2

Q.30 To what depth must a rubber ball be taken in deep sea so that its volume is decreased by 0.2%. The bulk modulus of rubber is $9.8 \times 10^8 \text{ N/m}^2$ and the density of sea water is 10^3 kg/m^3 ? ($g = 9.8 \text{ m/s}^2$)

Ans

✓ 1. 200 m

✗ 2. 100 m

✗ 3. 50 m

✗ 4. 25 m

Question Type : MCQ

Question ID : 37135113518

Option 1 ID : 37135154069

Option 2 ID : 37135154070

Option 3 ID : 37135154071

Option 4 ID : 37135154072

Status : Answered

Chosen Option : 1

Q.31 Two wires carrying currents I and $2I$ (in opposite directions) are parallel to each other. Third wire carrying current I is placed midway between the two wires and anti-parallel to a wire carrying current I . Force due to magnetic field on third wire will be

Ans

✗ 1.

towards a wire carrying current I .

✗ 2.

perpendicular to plane of currents.

✗ 3. zero.

✓ 4.

towards a wire carrying current $2I$.

Question Type : MCQ

Question ID : 37135113512

Option 1 ID : 37135154046

Option 2 ID : 37135154048

Option 3 ID : 37135154047

Option 4 ID : 37135154045

Status : Answered

Chosen Option : 4



Q.32 Length of an organ pipe open at both ends is 34 cm. If velocity of sound is 340 m/s, then the frequency of 2nd overtone is

Ans

1. 2400 Hz

2. 1000 Hz

3. 1500 Hz

4. 2000 Hz

Question Type : MCQ

Question ID : 37135113513

Option 1 ID : 37135154052

Option 2 ID : 37135154049

Option 3 ID : 37135154050

Option 4 ID : 37135154051

Status : Answered

Chosen Option : 1

Q.33 If number of turns in moving coil galvanometer becomes half, then the deflection for the same current will become

Ans

1. half.

2. double.

3. four times.

4. same.

Question Type : MCQ

Question ID : 37135113549

Option 1 ID : 37135154194

Option 2 ID : 37135154195

Option 3 ID : 37135154196

Option 4 ID : 37135154193

Status : Answered

Chosen Option : 1

Q.34

A particle starting from mean position oscillates simple harmonically with period 4 s. After what time will its kinetic energy be 75% of the total energy ?

$$\left(\cos 30^\circ = \frac{\sqrt{3}}{2}\right)$$

Ans

✓ 1. $\frac{1}{3}$ S

✗ 2. $\frac{1}{2}$ S

✗ 3. $\frac{1}{5}$ S

✗ 4. $\frac{1}{4}$ S

Question Type : MCQ

Question ID : 37135113534

Option 1 ID : 37135154134

Option 2 ID : 37135154133

Option 3 ID : 37135154136

Option 4 ID : 37135154135

Status : Answered

Chosen Option : 4

Q.35 In a semiconductor diode, the barrier potential offers opposition to only

Ans

1. majority carriers in both regions.

2. holes in the p-region.

3.

minority carriers in both regions.

4. free electrons in the n-region.

Question Type : MCQ

Question ID : 37135113535

Option 1 ID : 37135154137

Option 2 ID : 37135154140

Option 3 ID : 37135154138

Option 4 ID : 37135154139

Status : Answered

Chosen Option : 1

Q.36 A block of mass 'm' collides with another stationary block of mass '2m'. The lighter block comes to rest after collision. If the velocity of first block is 'u', then the value of coefficient of restitution is

Ans

1. 0.4

2. 0.8

3. 0.5

4. 0.6

Question Type : MCQ

Question ID : 37135113531

Option 1 ID : 37135154121

Option 2 ID : 37135154124

Option 3 ID : 37135154122

Option 4 ID : 37135154123

Status : Answered

Chosen Option : 2

Q.37

A large number of liquid drops each of radius 'r' coalesce to form a big drop of radius 'R'. The energy released in the process is converted into kinetic energy of the big drop. The speed of the big drop is (T = surface tension of liquid, ρ = density of liquid)

Ans

1. $\left[\frac{6T}{\rho} \left(\frac{1}{r} + \frac{1}{R} \right) \right]^{\frac{1}{2}}$

2. $\left[\frac{3T}{\rho} \left(\frac{1}{r} + \frac{1}{R} \right) \right]^{\frac{1}{2}}$

3. $\left[\frac{6T}{\rho} \left(\frac{1}{r} - \frac{1}{R} \right) \right]^{\frac{1}{2}}$

4. $\left[\frac{3T}{\rho} \left(\frac{1}{r} - \frac{1}{R} \right) \right]^{\frac{1}{2}}$

Question Type : MCQ

Question ID : 37135113504

Option 1 ID : 37135154016

Option 2 ID : 37135154014

Option 3 ID : 37135154015

Option 4 ID : 37135154013

Status : Answered

Chosen Option : 2

Q.38

A thin lens of glass of refractive index 1.5 has focal length 24 cm in air. It is now immersed in a liquid of refractive index $\frac{9}{8}$. Its new focal length is

Ans

1. 72 cm

2. 54 cm

3. 36 cm

4. 18 cm

Question Type : MCQ

Question ID : 37135113536

Option 1 ID : 37135154144

Option 2 ID : 37135154143

Option 3 ID : 37135154142

Option 4 ID : 37135154141

Status : Answered

Chosen Option : 2

Q.39

A vector \vec{P} has components along X and Y axis having magnitude 2 units and 4 units respectively. A vector along negative X - axis, \vec{Q} has magnitude 6 units. Then vector $(\vec{P} - \vec{Q})$ is

Ans

1. $4(2\hat{i} + \hat{j})$

2. $-4(2\hat{i} - \hat{j})$

3. $4(2\hat{i} - \hat{j})$

4. $-4(2\hat{i} + \hat{j})$

Question Type : MCQ

Question ID : 37135113523

Option 1 ID : 37135154091

Option 2 ID : 37135154090

Option 3 ID : 37135154092

Option 4 ID : 37135154089

Status : Answered

Chosen Option : 3

Q.40

In a biprism experiment, red light of wavelength 6500 \AA was used. It was then replaced by green light of wavelength 5200 \AA . The value of n for which $(n + 1)^{\text{th}}$ green bright band would coincide with n^{th} red bright band for the same setting is

Ans

1. $n = 5$

2. $n = 3$

3. $n = 4$

4. $n = 2$

Question Type : MCQ

Question ID : 37135113545

Option 1 ID : 37135154177

Option 2 ID : 37135154179

Option 3 ID : 37135154178

Option 4 ID : 37135154180

Status : Answered

Chosen Option : 3

Q.41

The wave described by $y = 0.35 \sin (2\pi t - 10\pi x)$, where x and y are in metre and t in second, is a wave travelling along the

Ans

1.

negative x-direction with amplitude 0.35 m and wavelength $\lambda = 0.5 \text{ m}$

2.

negative x-direction with frequency $\pi \text{ Hz}$ and wavelength $\lambda = 0.5 \text{ m}$

3.

positive x-direction with frequency 1 Hz and amplitude 3.5 m

4.

positive x-direction with frequency 1 Hz and wavelength $\lambda = 0.2 \text{ m}$

Question Type : MCQ

Question ID : 37135113540

Option 1 ID : 37135154157

Option 2 ID : 37135154159

Option 3 ID : 37135154158

Option 4 ID : 37135154160

Status : Answered

Chosen Option : 3

Q.42

The excess pressure inside a soap bubble of volume 'V' is three times the excess pressure inside a second soap bubble of volume 'V₁'. The value of $\left(\frac{V_1}{V}\right)$ is

Ans

1. 1 : 3

2. 9 : 1

3. 1 : 9

4. 3 : 1

Question Type : MCQ

Question ID : 37135113542

Option 1 ID : 37135154166

Option 2 ID : 37135154168

Option 3 ID : 37135154167

Option 4 ID : 37135154165

Status : Answered

Chosen Option : 3

Q.43

The gravitational potential energy of a rocket of mass 200 kg at a distance 10^6 m from the centre of the earth is 3×10^8 J . The weight of the rocket at a distance 10^8 m from the centre of the earth is

Ans

1. 1.5×10^{-2} N

2. 3×10^{-2} N

3. 6×10^{-2} N

4. 4.5×10^{-2} N

Question Type : MCQ

Question ID : 37135113528

Option 1 ID : 37135154109

Option 2 ID : 37135154110

Option 3 ID : 37135154112

Option 4 ID : 37135154111

Status : Answered

Chosen Option : 1

Q.44 A transistor is connected in C-E mode. If collector current is 72×10^{-5} A and $\alpha = 0.96$, then base current will be

Ans

✓ 1. $30 \mu\text{A}$

✗ 2. $26 \mu\text{A}$

✗ 3. $28 \mu\text{A}$

✗ 4. $24 \mu\text{A}$

Question Type : MCQ

Question ID : 37135113524

Option 1 ID : 37135154096

Option 2 ID : 37135154094

Option 3 ID : 37135154095

Option 4 ID : 37135154093

Status : Answered

Chosen Option : 3

Q.45 The radiations of energies 1 eV and 2.5 eV are incident on a metal surface having work function 0.5 eV. The ratio of the maximum velocities of the emitted photo-electrons is

Ans

✗ 1. 1 : 1

✓ 2. 1 : 2

✗ 3. 1 : 3

✗ 4. 1 : 4

Question Type : MCQ

Question ID : 37135113548

Option 1 ID : 37135154189

Option 2 ID : 37135154192

Option 3 ID : 37135154190

Option 4 ID : 37135154191

Status : Answered

Chosen Option : 3

Q.46 In Young's double slit experiment, for wavelength λ_1 the n^{th} bright fringe is obtained at a point P on the screen. Keeping the same setting, source of light is replaced by wavelength λ_2 and now $(n+1)^{\text{th}}$ bright fringe is obtained at the same point P on the screen. The value of n is

Ans

1. $\frac{\lambda_1 - \lambda_2}{\lambda_2}$

2. $\frac{\lambda_1}{\lambda_1 - \lambda_2}$

3. $\frac{\lambda_1 - \lambda_2}{\lambda_1}$

4. $\frac{\lambda_2}{\lambda_1 - \lambda_2}$

Question Type : **MCQ**

Question ID : **37135113541**

Option 1 ID : **37135154164**

Option 2 ID : **37135154161**

Option 3 ID : **37135154163**

Option 4 ID : **37135154162**

Status : **Answered**

Chosen Option : **4**

Q.47 Magnetic induction at a point along the axis of a bar magnet is equal to magnetic induction at a point along the equator. Ratio of the distance along the axis to distance along equator is

Ans

1. $\sqrt{2} : 1$

2. $2 : 1$

3. $\sqrt[3]{2} : 1$

4. $1 : \sqrt{2}$

Question Type : MCQ

Question ID : 37135113543

Option 1 ID : 37135154170

Option 2 ID : 37135154171

Option 3 ID : 37135154169

Option 4 ID : 37135154172

Status : Answered

Chosen Option : 4

Q.48

Two vessels separately contain two ideal gases A and B at the same temperature. The pressure of A is twice that of B. Under such conditions, the density of A is found to be 1.5 times the density of B. The ratio of molecular weights of A and B is

Ans

1. 2

2. $\frac{3}{4}$

3. $\frac{1}{2}$

4. $\frac{2}{3}$

Question Type : MCQ

Question ID : 37135113547

Option 1 ID : 37135154188

Option 2 ID : 37135154187

Option 3 ID : 37135154185

Option 4 ID : 37135154186

Status : Answered

Chosen Option : 4

Q.49

Which one of the following is a unit vector ?

Ans

✓ 1. $(\cos\theta) \hat{i} + (\sin\theta) \hat{j}$

✗ 2. $\frac{1}{\sqrt{3}} (\hat{i} + \hat{j})$

✗ 3. $2\hat{i} - 3\hat{j}$

✗ 4. $(\sin\theta) \hat{i} - (2\cos\theta) \hat{j}$

Question Type : MCQ

Question ID : 37135113525

Option 1 ID : 37135154099

Option 2 ID : 37135154098

Option 3 ID : 37135154097

Option 4 ID : 37135154100

Status : Answered

Chosen Option : 1

Q.50

The length of the seconds pendulum is 1 m on the earth. If the mass and diameter of the planet is half that of the earth then the length of the seconds pendulum on the planet will be

Ans

✗ 1. 0.5 m

✗ 2. 1 m

✗ 3. 1.5 m

✓ 4. 2 m

Question Type : MCQ

Question ID : 37135113538

Option 1 ID : 37135154149

Option 2 ID : 37135154150

Option 3 ID : 37135154151

Option 4 ID : 37135154152

Status : Answered

Chosen Option : 3

→ [Physics](#) Chemistry

Q.1 Which among the following changes occurs at 900 K in blast furnace for extraction of iron ?

Ans

- 1. Reduction of ore by C
- 2. Reduction of ore by CO
- 3. Ore loses moisture
- 4. Limestone decomposes

Question Type : MCQ

Question ID : 37135113575

Option 1 ID : 37135154300

Option 2 ID : 37135154298

Option 3 ID : 37135154297

Option 4 ID : 37135154299

Status : Answered

Chosen Option : 2

Q.2 Which among the following is a tear gas ?

Ans

- 1. COCl_2
- 2. CCl_2F_2
- 3. $\text{ClC}_2\text{H}_4\text{-S-C}_2\text{H}_4\text{Cl}$
- 4. CCl_3NO_2

Question Type : MCQ

Question ID : 37135113588

Option 1 ID : 37135154349

Option 2 ID : 37135154351

Option 3 ID : 37135154350

Option 4 ID : 37135154352

Status : Answered

Chosen Option : 4

Q.3 Identify the product obtained when 3, 5 - dinitrobenzoic acid is heated with thionyl chloride ?

Ans

1. 3, 5 - Dinitrobenzyl chloride

2.

3, 5 - Dichlorobenzyl chloride

3.

3, 5 - Dinitrobenzoyl chloride

4.

3 - Chloro - 5 - nitrobenzoic acid

Question Type : MCQ

Question ID : 37135113598

Option 1 ID : 37135154391

Option 2 ID : 37135154390

Option 3 ID : 37135154392

Option 4 ID : 37135154389

Status : Answered

Chosen Option : 1

Q.4 Which of the following compounds is obtained as valuable byproduct in preparation of phenol from cumene ?

Ans

1. Propanal

2. Propan - 1-ol

3. Propan - 2-ol

4. Propanone

Question Type : MCQ

Question ID : 37135113563

Option 1 ID : 37135154251

Option 2 ID : 37135154249

Option 3 ID : 37135154250

Option 4 ID : 37135154252

Status : Answered

Chosen Option : 4

Q.5 The number of moles of ammonia present in 5.6 dm^3 of its volume at S.T.P. is ?

Ans

1. 0.75

2. 1.0

3. 0.50

4. 0.25

Question Type : MCQ

Question ID : 37135113576

Option 1 ID : 37135154303

Option 2 ID : 37135154304

Option 3 ID : 37135154302

Option 4 ID : 37135154301

Status : Answered

Chosen Option : 3

Q.6 Heat of formation of H_2O is -270 kJ mol^{-1} . How much water can be decomposed by 675 kJ of heat ?

Ans

1. 45 g

2. 40 g

3. 27 g

4. 33 g

Question Type : MCQ

Question ID : 37135113571

Option 1 ID : 37135154284

Option 2 ID : 37135154283

Option 3 ID : 37135154281

Option 4 ID : 37135154282

Status : Answered

Chosen Option : 3

Q.7 Aniline on reaction with Bromine water at room temperature gives

Ans

1. p - bromoaniline

2. 2, 4, 6 - Tribromoaniline

3. m - bromoaniline

4. o - bromoaniline

Question Type : MCQ

Question ID : 37135113561

Option 1 ID : 37135154242

Option 2 ID : 37135154244

Option 3 ID : 37135154243

Option 4 ID : 37135154241

Status : Answered

Chosen Option : 3

Q.8 What is the value of dipole moment for HCl molecule ?

Ans

1. 1.91 D

2. 1.03 D

3. 1.85 D

4. 3.33 D

Question Type : MCQ

Question ID : 37135113579

Option 1 ID : 37135154316

Option 2 ID : 37135154314

Option 3 ID : 37135154313

Option 4 ID : 37135154315

Status : Answered

Chosen Option : 3

Q.9 The volume of given mass of a gas at 'x' K is 2 dm³. What is the new volume of gas at constant pressure, if temperature is increased to 10 x K ?

Ans

✓ 1. 20 dm³

✗ 2. (1/4)dm³

✗ 3. 4 dm³

✗ 4. (1/20)dm³

Question Type : **MCQ**

Question ID : 37135113568

Option 1 ID : 37135154270

Option 2 ID : 37135154271

Option 3 ID : 37135154269

Option 4 ID : 37135154272

Status : **Answered**

Chosen Option : **1**

Q.10 Which of the following is a property of co ordination compound and not of double salt ?

Ans ✗ 1.

These dissociate into their constituent ions when dissolved in water.

✓ 2.

These show entirely different properties from their constituent ions.

✗ 3.

These lose their identity in aqueous solution.

✗ 4.

Aqueous solution of these gives the tests of all constituent ions.

Question Type : **MCQ**

Question ID : 37135113578

Option 1 ID : 37135154310

Option 2 ID : 37135154309

Option 3 ID : 37135154311

Option 4 ID : 37135154312

Status : **Answered**

Chosen Option : **4**

Q.11 Which of the following compounds forms a colloidal solution when dissolved in water ?

Ans

- 1. Glucose
- 2. Ammonium chloride
- 3. Common salt
- 4. Starch

Question Type : MCQ

Question ID : 37135113565

Option 1 ID : 37135154258

Option 2 ID : 37135154259

Option 3 ID : 37135154257

Option 4 ID : 37135154260

Status : Answered

Chosen Option : 3

Q.12 What is the symbol of an element having atomic number 113 ?

Ans

- 1. Uut
- 2. Uup
- 3. Uub
- 4. Uuu

Question Type : MCQ

Question ID : 37135113560

Option 1 ID : 37135154239

Option 2 ID : 37135154240

Option 3 ID : 37135154237

Option 4 ID : 37135154238

Status : Answered

Chosen Option : 4

Q.13 Which of the following polymers is used to obtain adhesives ?

Ans

1. Neoprene rubber

2. Buna - N

3. Buna - S

4. Melamine

Question Type : MCQ

Question ID : 37135113591

Option 1 ID : 37135154362

Option 2 ID : 37135154361

Option 3 ID : 37135154363

Option 4 ID : 37135154364

Status : Answered

Chosen Option : 2

Q.14 How many donor groups are present in dimethyl glyoximate ?

Ans

1. Three

2. Two

3. Four

4. One

Question Type : MCQ

Question ID : 37135113552

Option 1 ID : 37135154207

Option 2 ID : 37135154206

Option 3 ID : 37135154208

Option 4 ID : 37135154205

Status : Answered

Chosen Option : 1

Q.15 A metallic element has a cubic lattice with edge length of unit cell 2\AA . Calculate the number of unit cells in 200 g of the metal, if density of metal is 2.5 g cm^{-3} ?

Ans

1. 6.25×10^{25}

2. 6.40×10^{25}

3. 1.0×10^{25}

4. 10.0×10^{25}

Question Type : **MCQ**

Question ID : **37135113593**

Option 1 ID : **37135154371**

Option 2 ID : **37135154372**

Option 3 ID : **37135154369**

Option 4 ID : **37135154370**

Status : **Answered**

Chosen Option : **2**

Q.16 The conductivity of 0.01 M salt solution is $1.061 \times 10^{-4}\text{ S cm}^{-1}$. What is molar conductivity of the solution?

Ans

1. $1.061 \times 10^{-4}\ \Omega^{-1}\text{cm}^2\text{mol}^{-1}$

2. $1.061\ \Omega^{-1}\text{cm}^2\text{mol}^{-1}$

3. $106.1\ \Omega^{-1}\text{cm}^2\text{mol}^{-1}$

4. $10.61\ \Omega^{-1}\text{cm}^2\text{mol}^{-1}$

Question Type : **MCQ**

Question ID : **37135113556**

Option 1 ID : **37135154221**

Option 2 ID : **37135154222**

Option 3 ID : **37135154224**

Option 4 ID : **37135154223**

Status : **Answered**

Chosen Option : **2**

Q.17 What is the highest oxidation state possessed by chlorine in its oxyacids ?

Ans

1. +1

2. +3

3. +5

4. +7

Question Type : MCQ

Question ID : 37135113600

Option 1 ID : 37135154397

Option 2 ID : 37135154398

Option 3 ID : 37135154399

Option 4 ID : 37135154400

Status : Answered

Chosen Option : 3

Q.18 What is the number of carbon atoms present in the alkanes found in nature as coatings of green leaves ?

Ans

1. C₂₉ to C₃₁

2. C₁₅ to C₁₈

3. C₁₁

4. C₆ to C₈

Question Type : MCQ

Question ID : 37135113592

Option 1 ID : 37135154366

Option 2 ID : 37135154365

Option 3 ID : 37135154368

Option 4 ID : 37135154367

Status : Answered

Chosen Option : 2

Q.19 Which of the following is NOT having any food value ?

Ans

- ✓ 1. Saccharin
- ✗ 2. Cane Sugar
- ✗ 3. Fructose
- ✗ 4. Glucose

Question Type : MCQ

Question ID : 37135113557

Option 1 ID : 37135154225

Option 2 ID : 37135154227

Option 3 ID : 37135154228

Option 4 ID : 37135154226

Status : Answered

Chosen Option : 3

Q.20 Identify the number of carbon atoms and number of oxygen atoms respectively present in pyran molecule

Ans

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

Question Type : MCQ

Question ID : 37135113569

Option 1 ID : 37135154275

Option 2 ID : 37135154273

Option 3 ID : 37135154274

Option 4 ID : 37135154276

Status : Answered

Chosen Option : 3

Q.21 An element crystallises with bcc structure with atomic radius 17.32 nm. What is the edge length of unit cell ?

Ans

1. 29 nm

2. 33 nm

3. 64 nm

4. 40 nm

Question Type : **MCQ**

Question ID : 37135113572

Option 1 ID : 37135154285

Option 2 ID : 37135154286

Option 3 ID : 37135154288

Option 4 ID : 37135154287

Status : **Answered**

Chosen Option : 3

Q.22 What is freezing point of a solution containing 1.8 g glucose dissolved in 1000 g of water
(K_f of water = $1.86 \text{ K Kg mol}^{-1}$ and at. mass C=12, H=1, O=16)

Ans

1. 0.0186°C

2. -0.0093°C

3. -0.0186°C

4. -0.0372°C

Question Type : **MCQ**

Question ID : 37135113589

Option 1 ID : 37135154354

Option 2 ID : 37135154355

Option 3 ID : 37135154353

Option 4 ID : 37135154356

Status : **Answered**

Chosen Option : 2

Q.23 Which type of overlap is involved in formation of C-H bond in ethene molecule ?

Ans

1. $sp^2 - p$

2. $sp - s$

3. $sp^3 - s$

4. $sp^2 - s$

Question Type : MCQ

Question ID : 37135113554

Option 1 ID : 37135154216

Option 2 ID : 37135154215

Option 3 ID : 37135154213

Option 4 ID : 37135154214

Status : Answered

Chosen Option : 1

Q.24 Which of the following aromatic acids has less acidic strength than benzoic acid ?

Ans

1. o - nitrobenzoic acid

2. p - methoxy benzoic acid

3. m - nitrobenzoic acid

4. o - chloro benzoic acid

Question Type : MCQ

Question ID : 37135113585

Option 1 ID : 37135154338

Option 2 ID : 37135154337

Option 3 ID : 37135154340

Option 4 ID : 37135154339

Status : Answered

Chosen Option : 2

Q.25 6.022×10^{21} molecules of glucose are present in 100 mL of its aqueous solution, what is the concentration of this solution ?

Ans

1. 1.0 M

2. 0.1 M

3. 0.001 M

4. 0.01 M

Question Type : MCQ

Question ID : 37135113599

Option 1 ID : 37135154396

Option 2 ID : 37135154395

Option 3 ID : 37135154393

Option 4 ID : 37135154394

Status : Answered

Chosen Option : 3

Q.26 When will be the reaction becomes spontaneous at all temperatures ?

Ans

1.

$\Delta H = -ve$, $\Delta S = +ve$, $\Delta G = -ve$

2.

$\Delta H = +ve$ or $-ve$, $\Delta S = 0$, $\Delta G = 0$

3.

$\Delta H = -ve$, $\Delta S = -ve$, $\Delta G = -ve$ or $+ve$

4.

$\Delta H = +ve$, $\Delta S = -ve$, $\Delta G = +ve$

Question Type : MCQ

Question ID : 37135113584

Option 1 ID : 37135154336

Option 2 ID : 37135154333

Option 3 ID : 37135154335

Option 4 ID : 37135154334

Status : Answered

Chosen Option : 4

Q.27 Resistance of 0.1 M KCl solution in a conductivity cell is 300 ohm and conductivity is 0.013 S cm^{-1} . What is cell constant ?

Ans

1. 4.5 cm^{-1}

2. 3.0 cm^{-1}

3. 1.5 cm^{-1}

4. 3.9 cm^{-1}

Question Type : MCQ

Question ID : 37135113597

Option 1 ID : 37135154388

Option 2 ID : 37135154386

Option 3 ID : 37135154385

Option 4 ID : 37135154387

Status : Answered

Chosen Option : 2

Q.28 In the laboratory hydrogen chloride is prepared by heating

Ans

1.

sodium chloride and concentrated sulphuric acid

2.

bleaching powder and concentrated sulphuric acid

3.

potassium chlorate and concentrated sulphuric acid

4.

bleaching powder and ammonia solution

Question Type : MCQ

Question ID : 37135113596

Option 1 ID : 37135154382

Option 2 ID : 37135154383

Option 3 ID : 37135154381

Option 4 ID : 37135154384

Status : Answered

Chosen Option : 2

Q.29 What is the site of action of antihistamine ?

Ans

1. Small intestine

2. Stomach wall

3. Liver

4. Large intestine

Question Type : MCQ

Question ID : 37135113586

Option 1 ID : 37135154342

Option 2 ID : 37135154343

Option 3 ID : 37135154341

Option 4 ID : 37135154344

Status : Answered

Chosen Option : 3

Q.30 What is the mass of solute (molar mass 39) in 156 g of benzene, if mole fraction of solute in benzene is 0.2 ? (at.wt C=12, H=1)

Ans

1. 15.8 g

2. 19.5 g

3. 22.4 g

4. 10 g

Question Type : MCQ

Question ID : 37135113558

Option 1 ID : 37135154230

Option 2 ID : 37135154231

Option 3 ID : 37135154232

Option 4 ID : 37135154229

Status : Answered

Chosen Option : 3

Q.31 A sample of gas absorbs 4000kJ of heat and surrounding does 2000 J of work on sample, what is the value of ΔU ?

Ans

1. 4000 kJ

2. 2000 kJ

3. 4002 kJ

4. 6000 kJ

Question Type : MCQ

Question ID : 37135113581

Option 1 ID : 37135154322

Option 2 ID : 37135154321

Option 3 ID : 37135154323

Option 4 ID : 37135154324

Status : Answered

Chosen Option : 4

Q.32 Hydroxide of which alkali metal is used in manufacture of soft soap ?

Ans

1. Lithium

2. Caesium

3. Potassium

4. Sodium

Question Type : MCQ

Question ID : 37135113551

Option 1 ID : 37135154203

Option 2 ID : 37135154204

Option 3 ID : 37135154201

Option 4 ID : 37135154202

Status : Answered

Chosen Option : 2

Q.33 Which of the following is NOT an electrophile ?

Ans

1. H^+

2. AlCl_3

3. NO_2^+

4. K^+

Question Type : MCQ

Question ID : 37135113562

Option 1 ID : 37135154246

Option 2 ID : 37135154248

Option 3 ID : 37135154247

Option 4 ID : 37135154245

Status : Answered

Chosen Option : 2

Q.34 What is the colour of solution obtained when 2- Nitropropane react with nitrous acid ?

Ans

1. yellow

2. red

3. blue

4. green

Question Type : MCQ

Question ID : 37135113594

Option 1 ID : 37135154376

Option 2 ID : 37135154373

Option 3 ID : 37135154374

Option 4 ID : 37135154375

Status : Answered

Chosen Option : 3

Q.35 Which of the following compounds is NOT isomeric with ethoxy ethane ?

Ans

- 1. 1-Methoxy propane
- 2. 2-Methyl butan - 2-ol
- 3. 2-Methoxy propane
- 4. 2-Methyl propan - 2-ol

Question Type : MCQ

Question ID : 37135113555

Option 1 ID : 37135154217

Option 2 ID : 37135154220

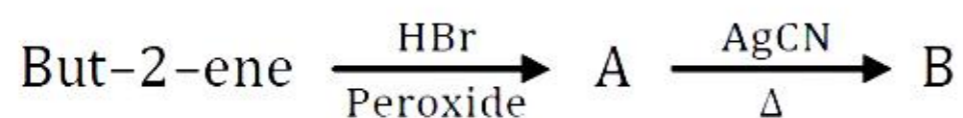
Option 3 ID : 37135154218

Option 4 ID : 37135154219

Status : Answered

Chosen Option : 3

Q.36 Identify major product 'B' in following reaction ?



Ans

- 1. n-butyl isocyanide
- 2. n-butyl cyanide
- 3. sec. butyl isocyanide
- 4. isobutyl cyanide

Question Type : MCQ

Question ID : 37135113574

Option 1 ID : 37135154293

Option 2 ID : 37135154294

Option 3 ID : 37135154296

Option 4 ID : 37135154295

Status : Answered

Chosen Option : 4

Q.37 The edge length of bcc type of unit cell of metal is 5 \AA . What is the radius of metal atom if its density is 2 g/cc ?

Ans

1. 176.8 pm

2. 232.5 pm

3. 216.5 pm

4. 246.5 pm

Question Type : **MCQ**

Question ID : **37135113564**

Option 1 ID : **37135154253**

Option 2 ID : **37135154255**

Option 3 ID : **37135154254**

Option 4 ID : **37135154256**

Status : **Answered**

Chosen Option : **2**

Q.38 Which among the following compounds is used as catalyst in Rasching method for preparation of phenol?

Ans

1. Calcium Sulphate

2. Calcium phosphate

3. Calcium chloride

4. Calcium carbonate

Question Type : **MCQ**

Question ID : **37135113583**

Option 1 ID : **37135154332**

Option 2 ID : **37135154331**

Option 3 ID : **37135154329**

Option 4 ID : **37135154330**

Status : **Answered**

Chosen Option : **4**

Q.39

Mg_3N_2 reacts with water to produce

Ans

✓ 1. $\text{Mg}(\text{OH})_2$ and NH_3

✗ 2. $\text{Mg}(\text{OH})_2$ and N_2O

✗ 3. $\text{MgO} + \text{NH}_3$

✗ 4. $\text{MgO} + \text{NH}_4\text{OH}$

Question Type : MCQ

Question ID : 37135113587

Option 1 ID : 37135154345

Option 2 ID : 37135154346

Option 3 ID : 37135154348

Option 4 ID : 37135154347

Status : Answered

Chosen Option : 2

Q.40 The time required to decompose SO_2Cl_2 to half of its initial amount is 60 minutes. Calculate rate constant for this first order reaction ?

Ans

✗ 1. $1.551 \times 10^{-2} \text{ min}^{-1}$

✗ 2. $4.158 \times 10^{-2} \text{ min}^{-1}$

✓ 3. $1.155 \times 10^{-2} \text{ min}^{-1}$

✗ 4. $2.651 \times 10^{-2} \text{ min}^{-1}$

Question Type : MCQ

Question ID : 37135113582

Option 1 ID : 37135154328

Option 2 ID : 37135154326

Option 3 ID : 37135154325

Option 4 ID : 37135154327

Status : Answered

Chosen Option : 2

Q.41 Identify reducing agent in following reaction ?



Ans

1. $\text{O}_{2(g)}$

2. $\text{H}_2\text{O}_{(l)}$

3. $\text{CH}_{4(g)}$

4. $\text{CO}_{2(g)}$

Question Type : MCQ

Question ID : 37135113595

Option 1 ID : 37135154378

Option 2 ID : 37135154380

Option 3 ID : 37135154377

Option 4 ID : 37135154379

Status : Answered

Chosen Option : 4

Q.42 Which of the following compounds is NOT a carbonyl compound ?

Ans

1. Propanamide

2. Ethoxy ethane

3. Acetamide

4. Acetyl chloride

Question Type : MCQ

Question ID : 37135113570

Option 1 ID : 37135154280

Option 2 ID : 37135154279

Option 3 ID : 37135154278

Option 4 ID : 37135154277

Status : Answered

Chosen Option : 1

Q.43 Which among the following statements is true for amylose ?

Ans 1.

Glucopyranose are linked by 1 \rightarrow 4 β glycosidic bonds.

2.

It has branching to large extent

3.

It constitute about 80 % starch

4. It is water soluble

Question Type : MCQ

Question ID : 37135113559

Option 1 ID : 37135154235

Option 2 ID : 37135154236

Option 3 ID : 37135154233

Option 4 ID : 37135154234

Status : Answered

Chosen Option : 3

Q.44 Which among the following alkyl halids is optically active ?

Ans

1. isobutyl chloride

2. tert. butyl bromide

3. sec. butyl iodide

4. n butyl bromide

Question Type : MCQ

Question ID : 37135113577

Option 1 ID : 37135154307

Option 2 ID : 37135154308

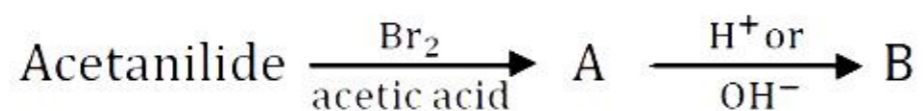
Option 3 ID : 37135154306

Option 4 ID : 37135154305

Status : Answered

Chosen Option : 3

Q.45 Identify 'A' and 'B' in following reaction respectively



Ans 1.

4-bromoaniline and 4-Bromoacetanilide

2.

p-Bromoacetanilide and p-Bromoaniline

3.

Aniline and p-Bromoacetanilide

4. Aniline and p-Bromoaniline

Question Type : MCQ

Question ID : 37135113566

Option 1 ID : 37135154264

Option 2 ID : 37135154263

Option 3 ID : 37135154261

Option 4 ID : 37135154262

Status : Answered

Chosen Option : 2

Q.46 What is the temperature needed for decomposition of lime stone in blast furnace for extraction of iron ?

Ans

1. 1500 K

2. 2000 K

3. 1200 K

4. 500 K

Question Type : MCQ

Question ID : 37135113553

Option 1 ID : 37135154211

Option 2 ID : 37135154212

Option 3 ID : 37135154209

Option 4 ID : 37135154210

Status : Answered

Chosen Option : 2

Q.47 The rate constant for the first order reaction is $1.15 \times 10^{-3} \text{ s}^{-1}$. How long will 5 g of the reactant take to reduce to 3 g?

Ans

1. 424 sec

2. 414 sec

3. 434 sec

4. 444 sec

Question Type : MCQ

Question ID : 37135113567

Option 1 ID : 37135154266

Option 2 ID : 37135154265

Option 3 ID : 37135154267

Option 4 ID : 37135154268

Status : Answered

Chosen Option : 3

Q.48 Which of the following compounds is used to prepare orlon?

Ans

1. $\text{CH}_2 = \text{C}(\text{CH}_3)_2$

2. $\text{HOOC}-(\text{CH}_2)_4-\text{COOH}$

3. $\text{CH}_2 = \text{CH}-\text{CN}$

4. $\text{H}_2\text{C} = \text{CH}-\text{CH} = \text{CH}_2$

Question Type : MCQ

Question ID : 37135113580

Option 1 ID : 37135154319

Option 2 ID : 37135154320

Option 3 ID : 37135154317

Option 4 ID : 37135154318

Status : Answered

Chosen Option : 2

Q.49 The common name of 1-bromo -3, 3-dimethyl butane is

Ans

- 1. tert-pentyl bromide
- 2. isobutyl bromide
- 3. neo hexyl bromide
- 4. n-hexyl bromide

Question Type : MCQ

Question ID : 37135113573

Option 1 ID : 37135154291

Option 2 ID : 37135154289

Option 3 ID : 37135154292

Option 4 ID : 37135154290

Status : Answered

Chosen Option : 2

Q.50 Identify the formula of lanthanoid oxide formed when lanthanoid (Ln) is burnt in oxygen

Ans

- 1. LnO
- 2. Ln₂O₃
- 3. Ln₂O
- 4. LnO₂

Question Type : MCQ

Question ID : 37135113590

Option 1 ID : 37135154359

Option 2 ID : 37135154360

Option 3 ID : 37135154357

Option 4 ID : 37135154358

Status : Answered

Chosen Option : 4

Section: Biology

Q.1 Which one of the following groups of drugs is called cannabinoids?

Ans 1.

Marijuana, hashish, charas

2.

Morphine, heroin, LSD

3.

Heroin, hashish, cocaine

4.

Barbiturates, amphetamines, benzodiazepines

Question Type : MCQ

Question ID : 37135113692

Option 1 ID : 37135154768

Option 2 ID : 37135154767

Option 3 ID : 37135154765

Option 4 ID : 37135154766

Status : Answered

Chosen Option : 4

Q.2 Which one of the following plants does NOT propagate by epiphyllous buds?

Ans

1. *Oxalis*

2. *Kalanchoe*

3.

Bryophyllum

4. *Begonia*

Question Type : MCQ

Question ID : 37135113623

Option 1 ID : 37135154491

Option 2 ID : 37135154492

Option 3 ID : 37135154489

Option 4 ID : 37135154490

Status : Answered

Chosen Option : 3



Q.3 Mendel collected 1064 seeds from a cross between tall and dwarf garden pea plants. From this 787 grew tall and 277 grew dwarf. This represents _____ cross.

Ans

1. dihybrid

2. trihybrid

3. test

4. monohybrid

Question Type : **MCQ**

Question ID : **37135113631**

Option 1 ID : **37135154522**

Option 2 ID : **37135154523**

Option 3 ID : **37135154524**

Option 4 ID : **37135154521**

Status : **Answered**

Chosen Option : **1**

Q.4 Deficiency of which of the following hormones leads to infertility in male and female human beings?

Ans

1. LTH

2. FSH

3. ACTH

4. TSH

Question Type : MCQ

Question ID : 37135113673

Option 1 ID : 37135154692

Option 2 ID : 37135154689

Option 3 ID : 37135154691

Option 4 ID : 37135154690

Status : Answered

Chosen Option : 2

Q.5 Which of the following statements is CORRECT?

Ans 1.

Louis Pasteur proved the theory of spontaneous generation.

2.

Theory of abiogenesis is the oldest theory.

3.

Theory of biogenesis satisfactorily explains the continuity of life.

4.

Panspermia theory is also called autobiogenesis.

Question Type : MCQ

Question ID : 37135113698

Option 1 ID : 37135154791

Option 2 ID : 37135154789

Option 3 ID : 37135154792

Option 4 ID : 37135154790

Status : Answered

Chosen Option : 3

Q.6 Formation of prothrombinase is initiated by _____.

Ans  1.

prothrombin

 2.

thromboplastin

 3.

fibrinogen

 4.

heparin

Question Type : **MCQ**

Question ID : **37135113652**

Option 1 ID : **37135154606**

Option 2 ID : **37135154608**

Option 3 ID : **37135154605**

Option 4 ID : **37135154607**

Status : **Answered**

Chosen Option : **1**

Q.7 Which of the following reactions cause the conversion of pyruvate into acetyl Co-A?

Ans  1.

Oxidative decarboxylation

 2.

Oxidative dephosphorylation

 3.

Oxidative phosphorylation

 4.

Oxidative dehydration

Question Type : MCQ

Question ID : 37135113610

Option 1 ID : 37135154437

Option 2 ID : 37135154440

Option 3 ID : 37135154439

Option 4 ID : 37135154438

Status : Answered

Chosen Option : 3

Q.8 During replication, the bacteriophage attaches to _____ of bacterial cell.

Ans

✗ 1. flagellum

✓ 2.

receptors on cell wall

✗ 3.

genetic material

✗ 4. plasmid

Question Type : MCQ

Question ID : 37135113625

Option 1 ID : 37135154499

Option 2 ID : 37135154500

Option 3 ID : 37135154497

Option 4 ID : 37135154498


Status : Answered


Chosen Option : 4

Q.9


Which of the following tissues originate from all the three germ layers?

Ans

 1. Muscular

 2. Epithelial

 3. Nervous

 4. Connective

Question Type : MCQ

Question ID : 37135113676

Option 1 ID : 37135154702

Option 2 ID : 37135154703

Option 3 ID : 37135154704

Option 4 ID : 37135154701

Status : Answered

Chosen Option : 2

Q.10 The acid which gets accumulated during night in CAM plants is _____.

Ans

1. PEPA

2.

oxaloacetic

3. pyruvic

4. malic

Question Type : MCQ

Question ID : 37135113607

Option 1 ID : 37135154426

Option 2 ID : 37135154425

Option 3 ID : 37135154428

Option 4 ID : 37135154427

Status : Answered

Chosen Option : 3

Q.11 In a fully turgid cell, the wall pressure is _____.

Ans 1.

inversely proportional to TP

2.

less than TP

3. equal to TP

4.

greater than TP

Question Type : MCQ

Question ID : 37135113632

Option 1 ID : 37135154528

Option 2 ID : 37135154526

Option 3 ID : 37135154527

Option 4 ID : 37135154525

Status : Answered

Chosen Option : 4

Q.12 Tehri dam project is located in _____.

Ans

1. Kerala

2. Madhya Pradesh

3. Uttar Pradesh

4.
Maharashtra

Question Type : **MCQ**

Question ID : **37135113671**

Option 1 ID : **37135154684**

Option 2 ID : **37135154681**

Option 3 ID : **37135154683**

Option 4 ID : **37135154682**

Status : **Answered**

Chosen Option : **3**

Q.13 Which one of the following organism brings about the fermentation of gram flour in the dhokla dough?

Ans  1.

Streptomyces erythreus

 2.

Saccharomyces cerevisiae

 3.

Rhizopus arrhizus

 4.

Lactobacillus

Question Type : **MCQ**

Question ID : **37135113649**

Option 1 ID : **37135154596**

Option 2 ID : **37135154593**

Option 3 ID : **37135154595**

Option 4 ID : **37135154594**

Status : **Answered**

Chosen Option : **4**

Q.14 The differences between parents and offspring, among offsprings of the same parents and individuals of the same species are called_____.

Ans  1.

heredity

 2. allelism

 3.

variations

 4.

homology

Question Type : MCQ

Question ID : 37135113642

Option 1 ID : 37135154565

Option 2 ID : 37135154568

Option 3 ID : 37135154566

Option 4 ID : 37135154567

Status : Answered

Chosen Option : 3

Q.15

Degradation of haemoglobin occurs in the _____.

Ans

✓ 1. liver

✗ 2. heart

✗ 3.

bone marrow

✗ 4. kidney

Question Type : **MCQ**

Question ID : **37135113677**

Option 1 ID : **37135154706**

Option 2 ID : **37135154707**

Option 3 ID : **37135154708**

Option 4 ID : **37135154705**

Status : **Answered**

Chosen Option : **3**

Q.16 The correct sequence of developmental stages of embryo in angiosperms is _____.

Ans 1.

octant → globular → heart shaped → horse shoe shaped

2.

globular → octant → heart shaped → horse shoe shaped

3.

octant → heart shaped → horse shoe shaped → globular

4.

octant → horse shoe shaped → heart shaped → globular

Question Type : MCQ

Question ID : 37135113611

Option 1 ID : 37135154441

Option 2 ID : 37135154442

Option 3 ID : 37135154443

Option 4 ID : 37135154444

Status : Answered

Chosen Option : 3

Q.17 Plants bearing small, inconspicuous flowers lacking fragrance, nectar and producing large number of smooth walled pollen grains, is characteristic of _____.

Ans

1. chiropterophily

2. entomophily

3. anemophily

4. ornithophily

Question Type : MCQ

Question ID : 37135113616

Option 1 ID : 37135154464

Option 2 ID : 37135154462

Option 3 ID : 37135154463

Option 4 ID : 37135154461

Status : Answered

Chosen Option : 2



Q.18

Which one of the following is a tetrose sugar?

Ans

1. Ribose

2. Glyceraldehyde

3. Glucose

4. Erythrose

Question Type : **MCQ**

Question ID : **37135113638**

Option 1 ID : **37135154550**

Option 2 ID : **37135154552**

Option 3 ID : **37135154551**

Option 4 ID : **37135154549**

Status : **Answered**

Chosen Option : **1**

Q.19 The $p\text{CO}_2$ of alveolar blood is _____ mmHg.

Ans

1. 30

2. 104

3. 45

4. 90

Question Type : MCQ

Question ID : 37135113693

Option 1 ID : 37135154769

Option 2 ID : 37135154772

Option 3 ID : 37135154770

Option 4 ID : 37135154771

Status : Answered

Chosen Option : 2

Q.20 A person has lost his memory in an accident. The part of brain most likely to be injured is

Ans

1. Rhombencephalon

2.

Rhinencephalon

3. Telencephalon

4. Mesencephalon

Question Type : **MCQ**

Question ID : **37135113679**

Option 1 ID : **37135154716**

Option 2 ID : **37135154713**

Option 3 ID : **37135154714**

Option 4 ID : **37135154715**

Status : **Answered**

Chosen Option : **2**

Q.21

Which one of the following genotype will show darkest kernel in wheat?

Ans

1. AAbb

2. AABb

3. AABB

4. AaBb

Question Type : MCQ

Question ID : 37135113624

Option 1 ID : 37135154495

Option 2 ID : 37135154494

Option 3 ID : 37135154493

Option 4 ID : 37135154496

Status : Answered

Chosen Option : 4

Q.22 In anaerobic respiration, from one glucose molecule at how many steps ATP formation takes place?

Ans

✓ 1. Two steps

✗ 2. Four steps

✗ 3.

Single step

✗ 4. Three steps

Question Type : MCQ

Question ID : 37135113617

Option 1 ID : 37135154466

Option 2 ID : 37135154468

Option 3 ID : 37135154465

Option 4 ID : 37135154467

Status : Answered

Chosen Option : 1

Q.23 In complete photorespiration process, the cell organelles involved are _____.

Ans  1.

chloroplast, mitochondria

 2.

chloroplast, peroxisome

 3.

ribosome, peroxisome, mitochondria

 4.

chloroplast, peroxisome, mitochondria

Question Type : MCQ

Question ID : 37135113612

Option 1 ID : 37135154445

Option 2 ID : 37135154446

Option 3 ID : 37135154448

Option 4 ID : 37135154447

Status : Answered

Chosen Option : 4

Q.24 Multicellular heterotrophs are placed in how many kingdoms by R. H. Whittaker?

Ans 1.

4

2.

3

3.

1

4.

2

Question Type : **MCQ**

Question ID : **37135113645**

Option 1 ID : **37135154580**

Option 2 ID : **37135154579**

Option 3 ID : **37135154577**

Option 4 ID : **37135154578**

Status : **Answered**

Chosen Option : **2**

Q.25 Tissue injury causing redness, swelling, pain and production of heat and fever are localized manifestations of _____ response.

Ans

1. physiological

2. anatomical

3. inflammatory

4. cellular

Question Type : **MCQ**

Question ID : **37135113687**

Option 1 ID : **37135154748**

Option 2 ID : **37135154745**

Option 3 ID : **37135154747**

Option 4 ID : **37135154746**

Status : **Answered**

Chosen Option : **1**

Q.26

Malleus bone of ear is attached to _____.

Ans

✓ 1.

tympenic membrane

✗ 2.

membranous labyrinth

✗ 3.

oval window of internal ear

✗ 4. Eustachian tube

Question Type : **MCQ**

Question ID : **37135113666**

Option 1 ID : **37135154663**

Option 2 ID : **37135154664**

Option 3 ID : **37135154661**

Option 4 ID : **37135154662**

Status : **Answered**

Chosen Option : **3**

Q.27

Which one of the following food chain starts with dead decaying organic matter?

Ans 1.

Aquatic

2. Desert

3. Grazing

4. Detritus

Question Type : MCQ

Question ID : 37135113635

Option 1 ID : 37135154537

Option 2 ID : 37135154538

Option 3 ID : 37135154540

Option 4 ID : 37135154539

Status : Answered

Chosen Option : 1

Q.28 The bundle of nerve fibres is covered by A and several bundles are covered by B

to form the nerve.

Ans 1.

A - endoneurium B - perineurium

2.

A - perineurium, B - epineurium

3.

A - endoneurium, B - epineurium

4.

A - epineurium, B - perineurium

Question Type : MCQ

Question ID : 37135113696

Option 1 ID : 37135154783

Option 2 ID : 37135154782

Option 3 ID : 37135154784

Option 4 ID : 37135154781

Status : Answered

Chosen Option : 2

Q.29 Select the CORRECT match of cell organelle and its function.

Ans  1.

Leucoplast – site for photosynthesis

 2.

Smooth endoplasmic reticulum – extracellular digestion

 3.

Sphaerosome – storage and synthesis of proteins

 4.

Vacuole – osmoregulation and excretion

Question Type : **MCQ**

Question ID : **37135113678**

Option 1 ID : **37135154712**

Option 2 ID : **37135154711**

Option 3 ID : **37135154710**

Option 4 ID : **37135154709**

Status : **Answered**

Chosen Option : **4**


Q.30 The hormone NOT secreted by pars distalis of pituitary gland is _____.

Ans  1.

vasopressin

 2.

somatotropin

 3. prolactin

 4. corticotropin

Question Type : MCQ

Question ID : 37135113653

Option 1 ID : 37135154611

Option 2 ID : 37135154609

Option 3 ID : 37135154612

Option 4 ID : 37135154610

Status : Answered

Chosen Option : 4

Q.31 Which one of the following pair does NOT show commensalism?

Ans  1.

Sea-anemones - crab

 2.

Shark – Remora fish

 3.

Barnacles -whale

 4.

Cow-bacteria

Question Type : **MCQ**

Question ID : **37135113665**

Option 1 ID : **37135154659**

Option 2 ID : **37135154660**

Option 3 ID : **37135154658**

Option 4 ID : **37135154657**

Status : **Answered**

Chosen Option : **4**

Q.32 One of the following is an example of complete sex linkage.

Ans 1.

Total colour blindness

2.

Retinitis pigmentosa

3. Myopia

4. Nephritis

Question Type : MCQ

Question ID : 37135113674

Option 1 ID : 37135154693

Option 2 ID : 37135154694

Option 3 ID : 37135154695

Option 4 ID : 37135154696

Status : Answered

Chosen Option : 2

Q.33 On land, plants get carbon from_____.

Ans 1.

carbonate rocks in the surroundings

2.

supplements added to the soil

3.

the CO₂ dissolved in soil water

4.

fixation of atmospheric CO₂ during photosynthesis

Question Type : MCQ

Question ID : 37135113629

Option 1 ID : 37135154514

Option 2 ID : 37135154516

Option 3 ID : 37135154513

Option 4 ID : 37135154515

Status : Answered

Chosen Option : 4



Q.34 Which one of the following characteristics is common between DNA and RNA?

Ans

1. Pentose sugar

2. Purines

3. Non-genetic

4. Pyrimidines

Question Type : MCQ

Question ID : 37135113613

Option 1 ID : 37135154449

Option 2 ID : 37135154450

Option 3 ID : 37135154451

Option 4 ID : 37135154452

Status : Answered

Chosen Option : 3

Q.35 Methane, ammonia and hydrogen were respectively mixed in the ratio of _____ in Urey and Miller's experiment.

Ans

1. 2 : 1 : 2

2. 2 : 2 : 1

3. 1 : 2 : 1

4. 1 : 2 : 2

Question Type : **MCQ**

Question ID : 37135113680

Option 1 ID : 37135154718

Option 2 ID : 37135154719

Option 3 ID : 37135154720

Option 4 ID : 37135154717

Status : **Answered**

Chosen Option : **3**

Q.36 In human beings, during oogenesis, Meiosis-I results into _____.

Ans

1.

a haploid large-sized secondary oocyte and a haploid smaller polar body

2.

a haploid large-sized primary oocyte and a haploid smaller polar body.

3.

a diploid large-sized primary oocyte and a haploid small-sized polar body

4.

a haploid large-sized secondary oocyte and a diploid smaller polar body

Question Type : **MCQ**

Question ID : 37135113672

Option 1 ID : 37135154687

Option 2 ID : 37135154685

Option 3 ID : 37135154688

Option 4 ID : 37135154686

Status : **Answered**

Chosen Option : **3**

Q.37 Which of the following does NOT take place during inspiration?

Ans  1.

Intercostal muscles contract

 2.

Muscles of diaphragm relax

 3.

Ribs are pulled outward

 4.

Volume of thoracic cavity increases

Question Type : MCQ

Question ID : 37135113668

Option 1 ID : 37135154670

Option 2 ID : 37135154671

Option 3 ID : 37135154669

Option 4 ID : 37135154672

Status : Answered

Chosen Option : 4

Q.38 What is 'after birth'?

Ans  1.

Changes taking place in the reproductive system of mother after the delivery.

 2.

Changes taking place in the ovary of female baby.

 3.

Excessive bleeding taking place from mother's womb after the parturition.

 4.

A collective mass of placenta, umbilical cord and foetal membranes.

Question Type : **MCQ**

Question ID : **37135113691**

Option 1 ID : **37135154762**

Option 2 ID : **37135154761**

Option 3 ID : **37135154764**

Option 4 ID : **37135154763**

Status : **Answered**

Chosen Option : **3**

Q.39 Study the Column-I, II and III select the CORRECT option by referring given code.

I	II	III
Neutrophils	a	phagocytic
Eosinophils	3%	b
c	25-33%	synthesis of antibodies
Basophils	0-5%	d

a b c d

Ans

✓ 1.

54-62% Secrete antihistamine Lymphocytes Secrete heparin

✗ 2.

30-38% Phagocytic Platelets Non-phagocytic

✗ 3.

20-25% Non-phagocytic Erythrocytes Non-phagocytic

✗ 4.

43-49% Secrete histamine Monocytes Phagocytic

Question Type : **MCQ**
 Question ID : **37135113690**
 Option 1 ID : **37135154757**
 Option 2 ID : **37135154759**
 Option 3 ID : **37135154760**
 Option 4 ID : **37135154758**
 Status : **Answered**
 Chosen Option : **3**

Q.40 The best method to expose lethal genes is _____.

Ans 1.

outcrossing

2.

inducing mutation

3.

inbreeding

4.

inducing heterozygosity

Question Type : MCQ

Question ID : 37135113656

Option 1 ID : 37135154621

Option 2 ID : 37135154623

Option 3 ID : 37135154622

Option 4 ID : 37135154624

Status : Answered

Chosen Option : 1

Q.41 The facultative absorption of water in the DCT and collecting duct takes place due to the secretion of _____.

Ans

1. TCT

2.

ACTH

3. PTH

4. ADH

Question Type : **MCQ**

Question ID : **37135113686**

Option 1 ID : **37135154744**

Option 2 ID : **37135154741**

Option 3 ID : **37135154742**

Option 4 ID : **37135154743**

Status : **Answered**

Chosen Option : **4**

Q.42 In biogas plant, the organic acids like acetic acid is converted to biogas by the enzymes of

Ans

✓ 1.

Methanococcus and *Methanobacillus*

✗ 2.

Clostridium and *Pseudomonas*

✗ 3.

Azotobacter and *Azospirillum*

✗ 4. *Bacillus subtilis*

Question Type : MCQ

Question ID : 37135113602

Option 1 ID : 37135154405

Option 2 ID : 37135154406

Option 3 ID : 37135154408

Option 4 ID : 37135154407

Status : Answered

Chosen Option : 1

Q.43 Vernalization increases the resistance of plants for diseases caused by _____.

Ans

1. Bacteria

2. Viroids

3. Viruses

4. Fungi

Question Type : MCQ

Question ID : 37135113626

Option 1 ID : 37135154501

Option 2 ID : 37135154504

Option 3 ID : 37135154503

Option 4 ID : 37135154502

Status : Answered

Chosen Option : 3

Q.44 Which one of the following is the functional unit of nature?

Ans

✓ 1. Ecosystem

✗ 2. Food chain

✗ 3.

Ecology

✗ 4.

Food web

Question Type : **MCQ**

Question ID : **37135113648**

Option 1 ID : **37135154590**

Option 2 ID : **37135154591**

Option 3 ID : **37135154589**

Option 4 ID : **37135154592**

Status : **Answered**

Chosen Option : **3**

Q.45 Number of turns of Calvin cycle required for synthesis of one glucose molecule is _____.

Ans

1. one

2. four

3.

two

4. six

Question Type : MCQ

Question ID : 37135113620

Option 1 ID : 37135154477

Option 2 ID : 37135154479

Option 3 ID : 37135154478

Option 4 ID : 37135154480

Status : Answered

Chosen Option : 2

Q.46

Number of linkage groups in honey bees is _____.

Ans

1. 8

2. 32

3. 24

4. 16

Question Type : **MCQ**

Question ID : **37135113669**

Option 1 ID : **37135154673**

Option 2 ID : **37135154676**

Option 3 ID : **37135154675**

Option 4 ID : **37135154674**

Status : **Answered**

Chosen Option : **2**


Q.47 Genetic markers of DNA fingerprinting technique are _____.

Ans  1.

RFLP

 2.

TGF-B

 3. TPA

 4.

VNTRs

Question Type : MCQ

Question ID : 37135113697

Option 1 ID : 37135154786

Option 2 ID : 37135154788

Option 3 ID : 37135154787

Option 4 ID : 37135154785

Status : Answered

Chosen Option : 4

Q.48 Mycorrhiza shows symbiotic association between_____.

Ans  1.

coralloid roots of *Cycas* and cyanobacteria

 2.

roots of lower leguminous plants and fungi

 3.

roots of grasses and bacteria

 4.

roots of higher plants and fungi

Question Type : MCQ

Question ID : 37135113615

Option 1 ID : 37135154457

Option 2 ID : 37135154458

Option 3 ID : 37135154460

Option 4 ID : 37135154459

Status : Answered

Chosen Option : 1

Q.49 At the time of DNA replication, the initiator protein breaks _____ bonds.

Ans

1. glycosidic

2.

peptide

3.

phospho-di-ester

4.

hydrogen

Question Type : MCQ

Question ID : 37135113637

Option 1 ID : 37135154546

Option 2 ID : 37135154547

Option 3 ID : 37135154548

Option 4 ID : 37135154545

Status : Answered

Chosen Option : 3

Q.50 Cross bridges between peripheral microtubules of cilia and flagella are made up of motor protein _____.

Ans

1. myosin

2. actin

3.

dynein

4. keratin

Question Type : **MCQ**

Question ID : **37135113681**

Option 1 ID : **37135154722**

Option 2 ID : **37135154721**

Option 3 ID : **37135154724**

Option 4 ID : **37135154723**

Status : **Answered**

Chosen Option : **4**

Q.51 Identify the INCORRECT statement about water in the soil.

Ans 1.

Water present in the form of hydrated oxides of silicon and aluminium is called combined water.

2.

The hygroscopic and combined water is available to the plants for absorption.

3.

Water held between small, non-colloidal soil particles is called capillary water.

4.

Water which is held very tightly around soil particles by adhesive forces is called hygroscopic water.

Question Type : **MCQ**

Question ID : **37135113643**

Option 1 ID : **37135154569**

Option 2 ID : **37135154572**

Option 3 ID : **37135154571**

Option 4 ID : **37135154570**

Status : **Answered**

Chosen Option : **4**

Q.52 Non-cyclic photophosphorylation involves unidirectional flow of electrons from _____.

Ans 1.

PS-II → cytochromes → PS-I → NADP → photolysed water

2.

PS-II → PS-I → NADP → photolysed water

3.

photolysed water → PS-II → cytochromes → PS-I → NADP

4.

photolysed water → PS-I → PS-II → NADP

Question Type : **MCQ**

Question ID : **37135113636**

Option 1 ID : **37135154541**

Option 2 ID : **37135154544**

Option 3 ID : **37135154543**

Option 4 ID : **37135154542**

Status : **Answered**

Chosen Option : **3**

Q.53 A woman gave birth to a triplet. Of these, two are identical twins and third one is a female baby.

How many ova would have been fertilized?

Ans

1. 4

2. 3

3. 2

4. 1

Question Type : **MCQ**

Question ID : **37135113675**

Option 1 ID : **37135154700**

Option 2 ID : **37135154699**

Option 3 ID : **37135154698**

Option 4 ID : **37135154697**

Status : **Answered**

Chosen Option : **2**

Q.54

Chlorophyll-a is _____ in colour.

Ans

1. yellow

2. blue green

3. orange

4. yellow green

Question Type : MCQ

Question ID : 37135113627

Option 1 ID : 37135154508

Option 2 ID : 37135154506

Option 3 ID : 37135154507

Option 4 ID : 37135154505

Status : Answered

Chosen Option : 1

Q.55 Which one of the following codons will NOT pair with anticodon of t-RNA?

Ans

1. AUU

2.

UAG

3.

UUU

4.

CUC

Question Type : MCQ

Question ID : 37135113644

Option 1 ID : 37135154575

Option 2 ID : 37135154576

Option 3 ID : 37135154573

Option 4 ID : 37135154574

Status : Answered

Chosen Option : 2

Q.56 Which phytohormone is called secondary hormone?

Ans  1.


Cytokinins

 2.

Auxins

 3.

Gibberellins

 4. Ethylene

Question Type : MCQ

Question ID : 37135113646

Option 1 ID : 37135154583

Option 2 ID : 37135154581

Option 3 ID : 37135154582

Option 4 ID : 37135154584

Status : Answered

Chosen Option : 2

Q.57 The enzyme phosphofructokinase and the co-factor Mg^{++} are involved during which of the following reactions of glycolysis?

Ans ✓ 1.

Phosphorylation-II

✗ 2.

Cleavage

✗ 3.

Isomerisation

✗ 4.

Phosphorylation-I

Question Type : **MCQ**

Question ID : **37135113647**

Option 1 ID : **37135154587**

Option 2 ID : **37135154588**

Option 3 ID : **37135154586**

Option 4 ID : **37135154585**

Status : **Answered**

Chosen Option : **2**

Q.58 Primary lesions called chancre are formed at the site of infection by _____.

Ans

✗ 1. *Diplococcus pneumoniae*

✓ 2.

Treponema pallidum

✗ 3.

Salmonella typhi

✗ 4.

Wuchereria bancrofti

Question Type : MCQ

Question ID : 37135113667

Option 1 ID : 37135154667

Option 2 ID : 37135154666

Option 3 ID : 37135154665

Option 4 ID : 37135154668

Status : Answered

Chosen Option : 4

Q.59 In which of the following species of angiosperms, the process of double fertilization was discovered?

Ans 1.

Datura and *Solanum*

2.

Michelia and *Papaya*

3.

Lillium and *Fritillaria*

4.

Sida and *Malva*

Question Type : MCQ

Question ID : 37135113619

Option 1 ID : 37135154473

Option 2 ID : 37135154476

Option 3 ID : 37135154475

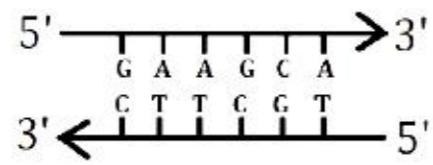
Option 4 ID : 37135154474

Status : Answered

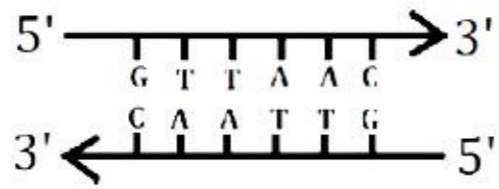
Chosen Option : 2

Q.60 In the following segments of DNA molecule, which one is a palindrome sequence?

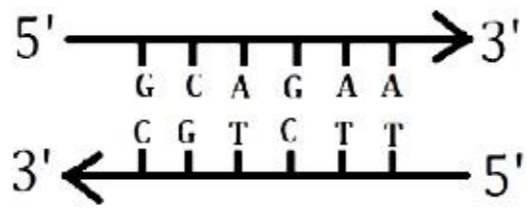
Ans 1.



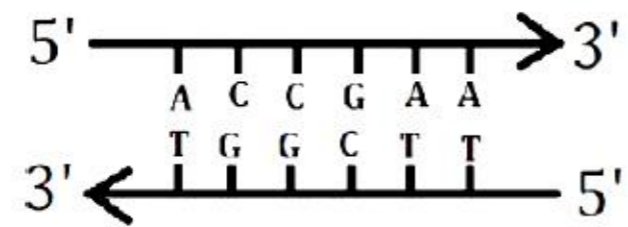
2.



3.



4.



Question Type : MCQ

Question ID : 37135113639

Option 1 ID : 37135154553

Option 2 ID : 37135154554

Option 3 ID : 37135154555

Option 4 ID : 37135154556

Status : Answered

Chosen Option : 2

Q.61

Pioneers of vegetation on rocks are _____.

Ans

1. Pteridophytes

2. Bryophytes

3.

Gymnosperms

4. Lichens

Question Type : **MCQ**

Question ID : **37135113609**

Option 1 ID : **37135154435**

Option 2 ID : **37135154434**

Option 3 ID : **37135154436**

Option 4 ID : **37135154433**

Status : **Answered**

Chosen Option : **2**

Q.62 In conventional plant breeding, collection of germ plasm means

Ans

1.

collection of genes from a particular crop plant.

2.

gene library with collected genes of same variety of crop.

3.

gene library with genome of different varieties of crop plants.

4.

entire collection of plants/seeds with diverse alleles for all genes of a particular crop.

Question Type : **MCQ**

Question ID : **37135113640**

Option 1 ID : **37135154557**

Option 2 ID : **37135154559**

Option 3 ID : **37135154560**

Option 4 ID : **37135154558**

Status : **Answered**

Chosen Option : **3**

Q.63 Which one of the following regions of human body does NOT have maximum lymph nodes?

Ans  1.

Neck

 2. Armpit

 3.

Groin

 4.

Abdomen

Question Type : MCQ

Question ID : 37135113684

Option 1 ID : 37135154733

Option 2 ID : 37135154734

Option 3 ID : 37135154735





Option 4 ID : 37135154736

Status : Answered

Chosen Option : 4

Q.64 Column-I contains names of host plants while Column-II contains names of viral diseases. Find the correct option.

Column-I	Column-II
I) Banana	p) little leaf
II) Sugarcane	q) bunchy top
III) Papaya	r) leaf roll
IV) Potato	s) grassy shoot
V) Brinjal	t) leaf curl

- Ans**  1.
I) - q), II) - r), III) - s), IV) - t), V) - P)
-  2.
I) - q), II) - s), III) - r), IV) - t), V) - p)
-  3.
I) - q), II) - s), III) - t), IV) - r), V) - p)
-  4.
I) - q), II) - r), III) - p), IV) - s), V) - t)

Question Type : **MCQ**
Question ID : **37135113633**
Option 1 ID : **37135154530**
Option 2 ID : **37135154529**
Option 3 ID : **37135154531**
Option 4 ID : **37135154532**
Status : **Answered**
Chosen Option : **1**

Q.65 Thebesian valve guards the opening of _____.

Ans ✓ 1.

coronary sinus

✗ 2.

superior vena cava

✗ 3. coronary artery

✗ 4.

pulmonary vein

Question Type : MCQ

Question ID : 37135113659

Option 1 ID : 37135154635

Option 2 ID : 37135154633

Option 3 ID : 37135154636

Option 4 ID : 37135154634

Status : Answered

Chosen Option : 3

Q.66 Which one of the following is INCORRECT about saturated fatty acids?

Ans ✗ 1.

They do not have double bond between carbon atoms.

✓ 2.

They are not fully saturated with hydrogen atoms.

✗ 3.

Palmitic acid and stearic acid are saturated fatty acids.

✗ 4.

They contain maximum possible hydrogen atoms.

Question Type : MCQ

Question ID : 37135113608

Option 1 ID : 37135154429

Option 2 ID : 37135154431

Option 3 ID : 37135154432

Option 4 ID : 37135154430

Status : Answered

Chosen Option : 2

Q.67 Match the pollutant in Column-I with its source in Column-II and choose the correct option.

Column-I	Column-II
(i) High levels of Sulphur dioxide	(a) Natural pollutant
(ii) Endosulfan	(b) Agricultural practices
(iii) Pollen	(c) Automobile exhaust
(iv) Gaseous and particulate lead	(d) Electric power plants

Ans  1.

(i) - (d), (ii) - (a), (iii) - (b), (iv) - (c)

 2.

(i) - (d), (ii) - (b), (iii) - (a), (iv) - (c)

 3.

(i) - (d), (ii) - (c), (iii) - (a), (iv) - (b)

 4.

(i) - (d), (ii) - (b), (iii) - (c), (iv) - (a)

Question Type : **MCQ**

Question ID : **37135113694**

Option 1 ID : **37135154776**

Option 2 ID : **37135154774**

Option 3 ID : **37135154775**

Option 4 ID : **37135154773**

Status : **Answered**

Chosen Option : **2**

Q.68 Mutation breeding was performed on moong beans to make it resistant to _____.

Ans

✓ 1. powdery mildew

✗ 2. black rot

✗ 3. leaf curl

✗ 4.

curl blight

Question Type : MCQ

Question ID : 37135113604

Option 1 ID : 37135154415

Option 2 ID : 37135154414

Option 3 ID : 37135154413

Option 4 ID : 37135154416

Status : Answered

Chosen Option : 1

Q.69

Which one of the following is enriched with calcium?

Ans

✓ 1. Spinach

✗ 2.

Carrot

✗ 3. Pumpkin

✗ 4. Mustard

Question Type : MCQ

Question ID : 37135113621

Option 1 ID : 37135154482

Option 2 ID : 37135154484

Option 3 ID : 37135154483

Option 4 ID : 37135154481

Status : Answered

Chosen Option : 3

Q.70 How many meiotic and mitotic divisions respectively are required to produce 960 male gametes in angiospermic plant?

Ans

1. 120 and 480

2.

120 and 960

3.

240 and 480

4. 240 and 960

Question Type : MCQ

Question ID : 37135113628

Option 1 ID : 37135154510

Option 2 ID : 37135154509

Option 3 ID : 37135154511

Option 4 ID : 37135154512

Status : Answered

Chosen Option : 2

Q.71 Mark the CORRECT sequence of phase in menstrual cycle.

Ans 1.

Menstrual phase → Proliferative phase → Luteal phase → Ovulatory phase

2.

Menstrual phase → Proliferative phase → Ovulatory phase → Luteal phase

3.

Luteal phase → Ovulatory phase → Menstrual phase → Follicular phase

4.

Ovulation → Luteal phase → Follicular phase → Menstrual phase

Question Type : MCQ

Question ID : 37135113683

Option 1 ID : 37135154730

Option 2 ID : 37135154731

Option 3 ID : 37135154732

Option 4 ID : 37135154729

Status : Answered

Chosen Option : 2

Q.72 Which among the following is NOT an artificial method of vegetative propagation in higher plants?

Ans

1. Grafting

2.

Micropropagation

3. Budding

4. Fragmentation

Question Type : MCQ

Question ID : 37135113641

Option 1 ID : 37135154561

Option 2 ID : 37135154563

Option 3 ID : 37135154562

Option 4 ID : 37135154564

Status : Answered

Chosen Option : 4

Q.73

Bile salts _____ fats in duodenum.

Ans

1. assimilate

2. absorb

3. emulsify

4. regurgitate

Question Type : **MCQ**

Question ID : **37135113699**

Option 1 ID : **37135154794**

Option 2 ID : **37135154793**

Option 3 ID : **37135154795**

Option 4 ID : **37135154796**

Status : **Answered**

Chosen Option : **1**

Q.74

Mutation is _____.

Ans

1.

irreversible, gradual change in pre-existing form

2.

sudden change in genetic material

3.

non-inheritable gradual change

4.

small and continuous variations

Question Type : **MCQ**

Question ID : **37135113689**

Option 1 ID : **37135154754**

Option 2 ID : **37135154753**

Option 3 ID : **37135154755**

Option 4 ID : **37135154756**

Status : **Answered**

Chosen Option : **1**

Q.75 In human beings, the oviduct is supported by a double fold of peritoneum called _____.

Ans  1.

mesovarium

 2.

mesometrium

 3. tunica vaginalis

 4.

mesosalpinx

Question Type : MCQ

Question ID : 37135113685

Option 1 ID : 37135154737

Option 2 ID : 37135154740

Option 3 ID : 37135154739

Option 4 ID : 37135154738


Status : Answered


Chosen Option : 4

Q.76 Following are all fungal diseases of poultry EXCEPT _____.

Ans  1.

Aspergillosis

 2. Pullorum

 3. Thrush

 4.

Favus

Question Type : MCQ

Question ID : 37135113695

Option 1 ID : 37135154777

Option 2 ID : 37135154779

Option 3 ID : 37135154780

Option 4 ID : 37135154778

Status : Answered

Chosen Option : 2

Q.77 Helper T-lymphocytes perform following functions EXCEPT _____.

Ans  1.

Stimulation of B-lymphocytes

 2.

Proliferation of other T-cells

 3.

Attraction of macrophages

 4.

Secretion of cell killing substances like perforins

Question Type : MCQ

Question ID : 37135113670

Option 1 ID : 37135154677

Option 2 ID : 37135154679

Option 3 ID : 37135154678

Option 4 ID : 37135154680

Status : Answered

Chosen Option : 4

Q.78 Which of the following group of cranial nerves control eye movements?

Ans  1.

IV, V and VII

 2. V, VII and IX

 3.

I, II and III

 4. III, IV and VI

Question Type : MCQ

Question ID : 37135113663

Option 1 ID : 37135154650

Option 2 ID : 37135154651

Option 3 ID : 37135154649

Option 4 ID : 37135154652

Status : Answered

Chosen Option : 2

Q.79 Some seeds produce various structures like wings, pappus calyx, hooks etc. which help in their

Ans

✗ 1.

protection

✓ 2. dispersal

✗ 3. attraction

✗ 4.

germination

Question Type : MCQ

Question ID : 37135113601

Option 1 ID : 37135154401

Option 2 ID : 37135154403

Option 3 ID : 37135154404

Option 4 ID : 37135154402

Status : Answered

Chosen Option : 1

Q.80 In a heterozygous tall pea plant, the possibility of 't' gamete fertilizing 'T' gamete during its selfing is ____%.

Ans

1. 100

2. 75

3. 25

4.

50

Question Type : **MCQ**

Question ID : **37135113618**

Option 1 ID : **37135154469**

Option 2 ID : **37135154470**

Option 3 ID : **37135154472**

Option 4 ID : **37135154471**

Status : **Answered**

Chosen Option : **1**

Q.81 The variation in temperatures in the three steps of PCR cycle is ____, ____ and ____ respectively.

Ans

✗ 1. 95⁰C, 62⁰C and 82⁰C

✗ 2. 97⁰C, 60⁰C and 92⁰C

✗ 3.
100⁰C, 75⁰C and 88⁰C

✓ 4.
91⁰C, 55⁰C and 72⁰C

Question Type : **MCQ**

Question ID : 37135113614

Option 1 ID : 37135154455

Option 2 ID : 37135154454

Option 3 ID : 37135154453

Option 4 ID : 37135154456

Status : **Answered**

Chosen Option : **4**


Q.82 Presence of which hormone in urine confirms pregnancy?

Ans  1.

Oxytocin

 2.

Progesterone

 3. HCG

 4.

Estrogen

Question Type : MCQ

Question ID : 37135113662

Option 1 ID : 37135154648

Option 2 ID : 37135154647

Option 3 ID : 37135154645

Option 4 ID : 37135154646

Status : Answered

Chosen Option : 3

Q.83 Water reaches to the top of trees of more than 100 feet against gravity, which one of the following is the main phenomenon responsible for this?

Ans  1.

Exudation

 2.

Guttation

 3.

Root pressure

 4.

Transpiration pull

Question Type : MCQ

Question ID : 37135113605

Option 1 ID : 37135154420

Option 2 ID : 37135154419

Option 3 ID : 37135154417

Option 4 ID : 37135154418

Status : Answered

Chosen Option : 1

Q.84 Genome of a cell can be manipulated by _____.

Ans  1.

cloning

 2.

transcription

 3.

r-DNA technology

 4.

reverse transcription

Question Type : MCQ

Question ID : 37135113650

Option 1 ID : 37135154600

Option 2 ID : 37135154597

Option 3 ID : 37135154599

Option 4 ID : 37135154598

Status : Answered

Chosen Option : 2

Q.85 Chromosomal mechanism of sex determination in human beings is called _____.

Ans  1.

heterogametes

 2.

haemopoiesis

 3.

transgenesis

 4.

parthenogenesis

Question Type : MCQ

Question ID : 37135113658

Option 1 ID : 37135154631

Option 2 ID : 37135154630

Option 3 ID : 37135154629

Option 4 ID : 37135154632

Status : Answered

Chosen Option : 1

Q.86 A narrow dark line seen in Isotropic band of myofibril of a striated muscle fibre is called

Ans

1.

M-line

2.

H- Zone

3.

Z-line

4. A-band

Question Type : **MCQ**

Question ID : **37135113655**

Option 1 ID : **37135154618**

Option 2 ID : **37135154619**

Option 3 ID : **37135154617**

Option 4 ID : **37135154620**

Status : **Answered**

Chosen Option : **2**

Q.87 Match Column-I and Column-II considering the inheritance pattern and ratio obtained in them.

Column-I	Column-II
a) Pleiotropy (sickle cell anaemia)	(i) 1:6:15:20:15:6:1
b) Polygenic inheritance (wheat kernel)	(ii) 1:2:1
c) Polygenic inheritance (human skin color)	(iii) 1:4:6:4:1
d) Co-dominance (coat colour in cattle)	(iv) 2:1

Ans ✓ 1.

a) – (iv), b) – (iii), c) – (i), d) – (ii)

✗ 2.

a) – (iv), b) – (ii), c) – (iii), d) – (i)

✗ 3.

a) – (iii), b) – (iv), c) – (ii), d) – (i)

✗ 4.

a) – (i), b) – (ii), c) – (iii), d) – (iv)

Question Type : **MCQ**

Question ID : **37135113603**

Option 1 ID : **37135154409**

Option 2 ID : **37135154410**

Option 3 ID : **37135154412**

Option 4 ID : **37135154411**

Status : **Answered**

Chosen Option : **2**

Q.88 All of the following animals are uricotelic EXCEPT _____.

Ans

1. crow

2. mosquito

3. scorpion

4. cobra

Question Type : **MCQ**

Question ID : **37135113682**

Option 1 ID : **37135154727**

Option 2 ID : **37135154728**

Option 3 ID : **37135154725**

Option 4 ID : **37135154726**

Status : **Answered**

Chosen Option : **3**

Q.89 Match the Column-I with Column-II and select the correct option.

Column-I	Column-II
a) DNA fragmentation	i) ssDNA gets embedded in nylon membrane
b) Electrophoresis	ii) sample DNA and probe DNA form double stranded DNA
c) Southern blotting	iii) DNA fragments move to positive pole
d) Hybridization	iv) fragments of DNA with variable length are formed

Ans  1.

a) - iv), b) - ii), c) - i), d) - iii)

 2.

a) - iii), b) - ii), c) - iv), d) - i)

 3.

a) - i), b) - ii), c) - iii), d) - iv)

 4.

a) - iv), b) - iii), c) - i), d) - ii)

Question Type : **MCQ**

Question ID : **37135113651**

Option 1 ID : **37135154601**

Option 2 ID : **37135154604**

Option 3 ID : **37135154602**

Option 4 ID : **37135154603**

Status : **Answered**

Chosen Option : **4**

Q.90

Blood pressure will be maximum in _____.

Ans  1.

efferent renal arteriole

 2.

coronary sinus

 3.

pulmonary trunk

 4.

renal artery

Question Type : MCQ

Question ID : 37135113661

Option 1 ID : 37135154641

Option 2 ID : 37135154644

Option 3 ID : 37135154642

Option 4 ID : 37135154643

Status : Answered

Chosen Option : 4

Q.91 During glycolysis, cleavage of fructose 1,6-diphosphate occurs in presence of enzyme _____.

Ans

1. Hexokinase

2.

Aldolase

3. Phosphoglycero mutase

4.

Phosphoglycero kinase

Question Type : MCQ

Question ID : 37135113622

Option 1 ID : 37135154487

Option 2 ID : 37135154485

Option 3 ID : 37135154486

Option 4 ID : 37135154488

Status : Answered

Chosen Option : 1

Q.92 Griffith in his experiment with *Diplococcus pneumoniae* discovered _____.

Ans

1. r-DNA

2. transformation

3. gene expression

4. reverse transcription

Question Type : MCQ

Question ID : 37135113634

Option 1 ID : 37135154534

Option 2 ID : 37135154535

Option 3 ID : 37135154533

Option 4 ID : 37135154536

Status : Answered

Chosen Option : 3

Q.93 Study of genes and genomes by DNA sequencing and its related analysis is called _____.

Ans  1.


Hydroponics

 2.

Genomics

 3.

Biofortification

 4. Systematics

Question Type : MCQ

Question ID : 37135113688

Option 1 ID : 37135154750

Option 2 ID : 37135154749

Option 3 ID : 37135154751

Option 4 ID : 37135154752

Status : Answered

Chosen Option : 2

Q.94 The sum total of genes of all individuals of interbreeding population is called _____.

Ans  1.

gene frequency

 2.

genome

 3.

gene pool

 4.

gene flow

Question Type : **MCQ**

Question ID : **37135113664**

Option 1 ID : **37135154653**

Option 2 ID : **37135154655**

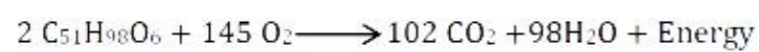
Option 3 ID : **37135154654**

Option 4 ID : **37135154656**

Status : **Answered**


Chosen Option : **1**

Q.95 Considering following chemical equation, guess what could be the nature of respiratory substrate?




Ans  1.

Carbohydrate as well as protein

 2. **Fat**

 3.

Protein

 4. **Carbohydrate**

Question Type : **MCQ**

Question ID : **37135113630**

Option 1 ID : **37135154518**

Option 2 ID : **37135154520**

Option 3 ID : **37135154519**

Option 4 ID : **37135154517**

Status : **Answered**

Chosen Option : **1**

Q.96 Kwashiorkor is caused due to prolonged deficiency mainly of _____ in diet.

Ans

✓ 1. proteins

✗ 2. fats

✗ 3.

vitamins and minerals

✗ 4.

carbohydrates

Question Type : MCQ

Question ID : 37135113660

Option 1 ID : 37135154639

Option 2 ID : 37135154640

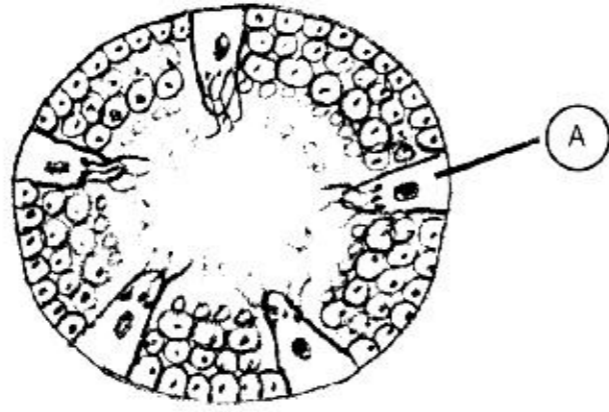
Option 3 ID : 37135154638

Option 4 ID : 37135154637

Status : Answered

Chosen Option : 1

Q.97 In the following diagram, what is A and its function?



Ans 1.

Sertoli cell; secretion of Testosterone.

2.

Sertoli cell, nutrition of maturing sperms.

3.

Follicular cell; secretion of Thyroxine.

4.

Leydig cell; secretion of Testosterone.

Question Type : MCQ

Question ID : 37135113654

Option 1 ID : 37135154613

Option 2 ID : 37135154616

Option 3 ID : 37135154615

Option 4 ID : 37135154614

Status : Answered

Chosen Option : 2

Q.98 Which one of the following is required for transmission of malarial parasite?

Ans

✗ 1. Honey bee

✗ 2.
Housefly

✗ 3. Round worm

✓ 4.
Mosquito

Question Type : MCQ

Question ID : 37135113657

Option 1 ID : 37135154626

Option 2 ID : 37135154625

Option 3 ID : 37135154627

Option 4 ID : 37135154628

Status : Answered

Chosen Option : 2

Q.99

Tubular and multinucleated alga is _____.

Ans  1.

Rhizopus

 2.

Anabaena

 3. *Parmelia*

 4.

Vaucheria

Question Type : **MCQ**

Question ID : **37135113700**

Option 1 ID : **37135154797**

Option 2 ID : **37135154799**

Option 3 ID : **37135154798**

Option 4 ID : **37135154800**

Status : **Answered**

Chosen Option : **1**

Q.100 On reaching the ovary, if pollen tube enters the ovule through integuments, then it is called

Ans 1.

chalazogamy

2. mesogamy

3.

porogamy

4.

siphonogamy

Question Type : **MCQ**

Question ID : **37135113606**

Option 1 ID : **37135154424**

Option 2 ID : **37135154423**

Option 3 ID : **37135154421**

Option 4 ID : **37135154422**

Status : **Answered**

Chosen Option : **1**