

**Q.1** A particle moves along a circular path of radius 'r' with uniform speed 'V'. The angle described by the particle in one second is

Ans

1.  $Vr$

2.  $\frac{r}{V}$

3.  $V^2r$

4.  $\frac{V}{r}$

Question Type : **MCQ**

Question ID : **37135114347**

Option 1 ID : **37135157385**

Option 2 ID : **37135157387**

Option 3 ID : **37135157388**

Option 4 ID : **37135157386**

Status : **Answered**

Chosen Option : **4**

Q.2 The focal length of the objective used in compound microscope and telescope is respectively

Ans

1. short and short

2. large and large

3. large and short

4. short and large

Question Type : **MCQ**

Question ID : **37135114328**

Option 1 ID : **37135157309**

Option 2 ID : **37135157311**

Option 3 ID : **37135157312**

Option 4 ID : **37135157310**

Status : **Answered**

Chosen Option : **1**

Q.3

The two waves are represented by  $Y_1 = 10^{-2} \sin \left[ 50t + \frac{x}{25} + 0.3 \right] \text{ m}$  and

$Y_2 = 10^{-2} \cos \left[ 50t + \frac{x}{25} \right] \text{ m}$  where  $x$  is in metre and time in second. The phase

difference between the two waves is nearly

Ans

1. 1.05 rad

2. 1.15 rad

3. 1.22 rad

4. 1.27 rad

Question Type : MCQ

Question ID : 37135114310

Option 1 ID : 37135157237

Option 2 ID : 37135157238

Option 3 ID : 37135157239

Option 4 ID : 37135157240

Status : Answered

Chosen Option : 1

Q.4 A disc has mass 'M' and radius 'R'. How much tangential force should be applied to the rim of the disc so as to rotate with angular velocity ' $\omega$ ' in time t?

Ans

1.  $\frac{MR^2\omega}{2t}$

2.  $\frac{MR^2\omega}{t}$

3.  $\frac{MR\omega}{2t}$

4.  $\frac{MR\omega}{t}$

Question Type : MCQ

Question ID : 37135114345

Option 1 ID : 37135157380

Option 2 ID : 37135157377

Option 3 ID : 37135157378

Option 4 ID : 37135157379

Status : Answered

Chosen Option : 2



Q.5 A sphere of mass 'M' is attached to one end of a metal wire having length 'L' and diameter 'D'. It is whirled in a vertical circle of radius R with angular velocity ' $\omega$ '.

When the sphere is at lowest point of its path, the elongation of the wire is

(Y = Young's modulus of the material of the wire, g = acceleration due to gravity)

Ans

1. 
$$\frac{6ML (R^2\omega^2 + g)}{\pi D^2 Y}$$

2. 
$$\frac{2ML (R^2\omega^2 + g)}{\pi D^2 Y}$$

3. 
$$\frac{4ML (R\omega^2 + g)}{\pi D^2 Y}$$

4. 
$$\frac{ML (R\omega^2 + g)}{2 \pi D^2 Y}$$

Question Type : MCQ

Question ID : 37135114332

Option 1 ID : 37135157326

Option 2 ID : 37135157327

Option 3 ID : 37135157328

Option 4 ID : 37135157325

Status : Answered

Chosen Option : 1

Q.6

Find the dimensions of the quantity 'x' in the equation  $T = 2\pi \left[ \frac{ML^3}{3Yx} \right]^{\frac{1}{2}}$  where 'T' is the time period, M is mass, L is length and Y is the Young's modulus.

Ans

1.  $[L^3]$

2.  $[L^6]$

3.  $[L^2]$

4.  $[L^4]$

Question Type : MCQ

Question ID : 37135114303

Option 1 ID : 37135157210

Option 2 ID : 37135157212

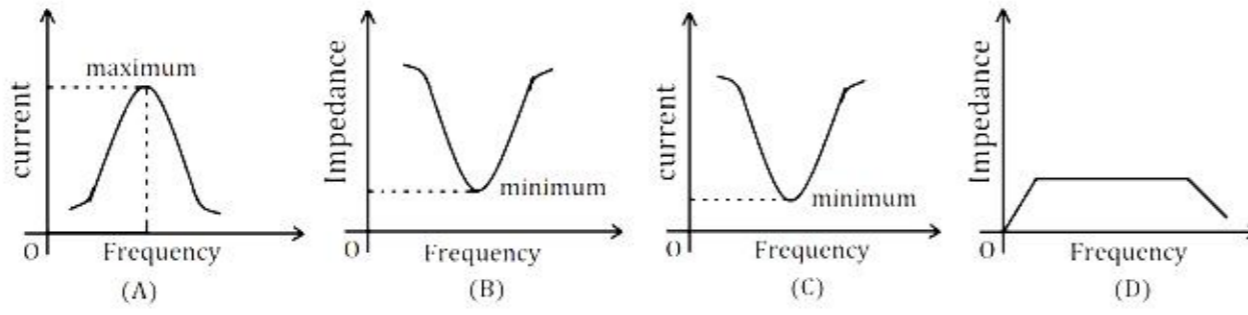
Option 3 ID : 37135157209

Option 4 ID : 37135157211

Status : Answered

Chosen Option : 3

Q.7 Out of the following graphs which graph shows the correct relation for LC parallel resonant circuit ?



Ans

1. (A)

2. (D)

3. (C)

4. (B)

Question Type : MCQ

Question ID : 37135114302

Option 1 ID : 37135157205

Option 2 ID : 37135157208

Option 3 ID : 37135157207

Option 4 ID : 37135157206

Status : Answered

Chosen Option : 3

Q.8 An ammeter is obtained by shunting 'n'  $\Omega$  galvanometer with 'n'  $\Omega$  resistance. The additional shunt required to be connected across it to double the range is

Ans

✓ 1.  $\frac{n}{3}$

✗ 2. n

✗ 3.  $\frac{n}{4}$

✗ 4.  $\frac{n}{2}$

Question Type : MCQ

Question ID : 37135114311

Option 1 ID : 37135157242

Option 2 ID : 37135157244

Option 3 ID : 37135157241

Option 4 ID : 37135157243

Status : Answered

Chosen Option : 1

**Q.9** A uniform rod of length '2L' has constant mass per unit length 'm'. Moment of inertia of the rod about an axis passing through its centre and perpendicular to length is

Ans

1.  $\frac{mL^2}{4}$

2.  $\frac{mL^3}{3}$

3.  $\frac{2mL^3}{3}$

4.  $\frac{mL^2}{12}$

Question Type : **MCQ**

Question ID : **37135114301**

Option 1 ID : **37135157203**

Option 2 ID : **37135157202**

Option 3 ID : **37135157204**

Option 4 ID : **37135157201**

Status : **Answered**

Chosen Option : **4**

Q.10 Capacity of a parallel plate air condenser is  $2\mu\text{F}$  and voltage between the plates is changing at the rate of  $3\text{ V/s}$ . The displacement current in the capacitor is

Ans

1.  $8\ \mu\text{A}$

2.  $2\ \mu\text{A}$

3.  $6\ \mu\text{A}$

4.  $4\ \mu\text{A}$

Question Type : **MCQ**

Question ID : **37135114324**

Option 1 ID : **37135157296**

Option 2 ID : **37135157293**

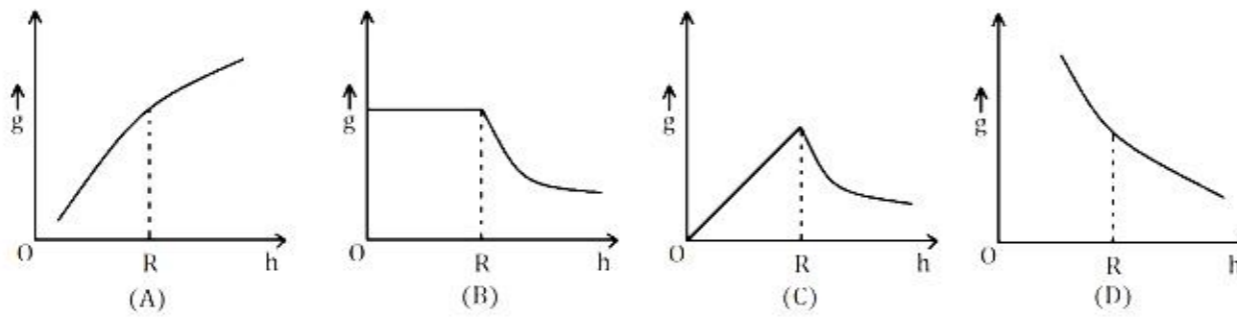
Option 3 ID : **37135157295**

Option 4 ID : **37135157294**

Status : **Answered**

Chosen Option : **1**

Q.11 Earth is assumed to be a sphere of radius 'R' and uniform density. The variation of acceleration due to gravity (g) according to the depth and the height (h) from the earth's surface is shown correctly by graph



Ans

✓ 1. (C)

✗ 2. (B)

✗ 3. (D)

✗ 4. (A)

Question Type : MCQ

Question ID : 37135114317

Option 1 ID : 37135157267

Option 2 ID : 37135157266

Option 3 ID : 37135157268

Option 4 ID : 37135157265

Status : Answered

Chosen Option : 1



Q.12 In photoelectric emission, the intensity of incident light is reduced then stopping potential

Ans

1. may increase or decrease.

2. remains same.

3. increases.

4. decreases.

Question Type : MCQ

Question ID : 37135114344

Option 1 ID : 37135157376

Option 2 ID : 37135157373

Option 3 ID : 37135157374

Option 4 ID : 37135157375

Status : Answered

Chosen Option : 2

Q.13 Two wires of same length and material are used to form a square loop and a circular loop respectively. If same current is passed through both loops then the ratio of magnetic moment of square loop to that of circular loop is

Ans

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

2.  $\pi$

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

4.  $2\pi$

Question Type : MCQ

Question ID : 37135114321

Option 1 ID : 37135157282

Option 2 ID : 37135157283

Option 3 ID : 37135157281

Option 4 ID : 37135157284

Status : Answered

Chosen Option : 1

Q.14 A block of mass 'M' is pushed momentarily on horizontal surface with initial velocity 'V'. If 'μ' is the coefficient of sliding friction between the block and surface, block will come to rest after time (g = acceleration due to gravity)

Ans

1.  $\frac{\mu g}{V}$

2.  $\mu g V$

3.  $\frac{V^2}{\mu g}$

4.  $\frac{V}{\mu g}$

Question Type : MCQ

Question ID : 37135114343

Option 1 ID : 37135157369

Option 2 ID : 37135157370

Option 3 ID : 37135157371

Option 4 ID : 37135157372

Status : Answered

Chosen Option : 3

**Q.15** A transistor is used as a common emitter amplifier with a load resistance  $2\text{ k}\Omega$ . The input resistance is  $150\ \Omega$ . Base current is changed by  $20\ \mu\text{A}$  which results in a change in collector current by  $1.5\ \text{mA}$ . The amplified voltage gain of the amplifier is

**Ans**

1. 500

2. 1000

3. 750

4. 1250

Question Type : **MCQ**

Question ID : **37135114336**

Option 1 ID : **37135157341**

Option 2 ID : **37135157343**

Option 3 ID : **37135157342**

Option 4 ID : **37135157344**

Status : **Answered**

Chosen Option : **4**

**Q.16** Two unknown resistances are connected in two gaps of a meter bridge. The null point is obtained at 40 cm from left end. A  $30\ \Omega$  resistance is connected in series with the smaller of the two resistances, the null point shifts by 20cm to the right end. The value of smaller resistance is

Ans

1.  $8\ \Omega$

2.  $24\ \Omega$

3.  $32\ \Omega$

4.  $16\ \Omega$

Question Type : **MCQ**

Question ID : **37135114326**

Option 1 ID : **37135157301**

Option 2 ID : **37135157303**

Option 3 ID : **37135157304**

Option 4 ID : **37135157302**

Status : **Answered**

Chosen Option : **2**

Q.17 A satellite is revolving in a circular orbit around the earth has total energy 'E'. Its potential energy in that orbit is

Ans

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

2.  $2 E$

3.  $E$

4.  $4 E$

Question Type : MCQ

Question ID : 37135114330

Option 1 ID : 37135157317

Option 2 ID : 37135157319

Option 3 ID : 37135157318

Option 4 ID : 37135157320

Status : Answered

Chosen Option : 2

**Q.18** A U tube with limbs of diameters 5mm and 2mm contains water of surface tension  $7 \times 10^{-2}$  N/m , angle of contact is zero and density  $10^3$  kg/m<sup>3</sup> . The difference in the level in the two limbs is (  $g = 10$  m/s<sup>2</sup> )

Ans

1. 7.7 mm

2. 6.8 mm

3. 9.5 mm

4. 8.4 mm

Question Type : **MCQ**

Question ID : **37135114304**

Option 1 ID : **37135157214**

Option 2 ID : **37135157213**

Option 3 ID : **37135157216**

Option 4 ID : **37135157215**

Status : **Answered**

Chosen Option : **1**



Q.19 Find the intensity of magnetization of a magnet of moment  $4 \text{ Am}^2$  which weighs 50 gram. ( Density of the material of a magnet =  $5000 \text{ kg/m}^3$  )

Ans

1.  $10^5 \text{ A/m}$

2.  $3 \times 10^5 \text{ A/m}$

3.  $2 \times 10^5 \text{ A/m}$

4.  $4 \times 10^5 \text{ A/m}$

Question Type : MCQ

Question ID : 37135114329

Option 1 ID : 37135157313

Option 2 ID : 37135157315

Option 3 ID : 37135157314

Option 4 ID : 37135157316

Status : Answered

Chosen Option : 4

Q.20 In hydrogen atom, the product of the angular momentum and the linear momentum of the electron is proportional to (  $n$  = principal quantum number )

Ans

1.  $n^1$

2.  $n^0$

3.  $n^3$

4.  $n^2$

Question Type : MCQ

Question ID : 37135114319

Option 1 ID : 37135157275

Option 2 ID : 37135157276

Option 3 ID : 37135157273

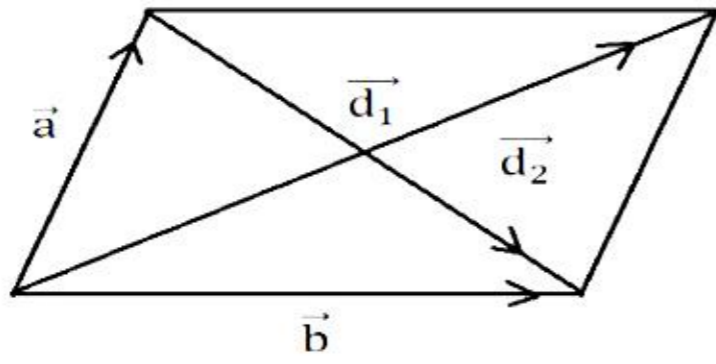
Option 4 ID : 37135157274

Status : Answered

Chosen Option : 1

Q.21

In a parallelogram shown below,  $a^2 + b^2 = ?$



Ans

1.  $\frac{d_1^2 - d_2^2}{4}$

2.  $\frac{d_1^2 - d_2^2}{2}$

3.  $\frac{d_1^2 + d_2^2}{2}$

4.  $\frac{d_1^2 + d_2^2}{4}$

Question Type : MCQ

Question ID : 37135114308

Option 1 ID : 37135157231

Option 2 ID : 37135157229

Option 3 ID : 37135157230

Option 4 ID : 37135157232

Status : Answered

Chosen Option : 3

Q.22 For a prism, 'A' is the angle of prism, 'δ' is the angle of deviation,  $\mu$  is the refractive index of the material of a prism, the refractivity of the material of a prism is

Ans

1.  $\mu$

2.  $(\mu + 1)$

3.  $(\mu - 1)$

4.  $(1 - \mu)$

Question Type : MCQ

Question ID : 37135114333

Option 1 ID : 37135157329

Option 2 ID : 37135157330

Option 3 ID : 37135157331

Option 4 ID : 37135157332

Status : Answered

Chosen Option : 3

Q.23 A wire of length 'L', mass 'M', density 'ρ', radius 'R' is stretched by certain load. If

'r' and 'ℓ' is change in radius and length respectively then Poisson's ratio is

Ans

✓<sup>1.</sup>  $\frac{Mr}{\pi R^3 \rho \ell}$

✗<sup>2.</sup>  $\frac{Mr}{\pi R^2 \rho \ell}$

✗<sup>3.</sup>  $\frac{Mr^2}{\pi R^3 \rho \ell}$

✗<sup>4.</sup>  $\frac{2Mr^2}{\pi R^2 \rho \ell}$

Question Type : MCQ

Question ID : 37135114350

Option 1 ID : 37135157397

Option 2 ID : 37135157398

Option 3 ID : 37135157399

Option 4 ID : 37135157400

Status : Answered

Chosen Option : 3

Q.24 A capacitor  $C_1 = 4\mu\text{F}$  is connected in series with another capacitor  $C_2 = 1\mu\text{F}$ . The combination is connected across d.c. source of 200 V. The ratio of potential across  $C_2$  to that across  $C_1$  is

Ans

1. 8 : 1

2. 16 : 1

3. 2 : 1

4. 4 : 1

Question Type : MCQ

Question ID : 37135114316

Option 1 ID : 37135157263

Option 2 ID : 37135157264

Option 3 ID : 37135157261

Option 4 ID : 37135157262

Status : Answered

Chosen Option : 2

Q.25 In potentiometer experiment, for a given current, the balancing length for a cell is obtained at 'L' cm. If current through potentiometer wire is decreased then the balancing length will

Ans

- ✓ 1. be increased.
- ✗ 2. not be changed.
- ✗ 3. become half.
- ✗ 4. be decreased.

Question Type : MCQ

Question ID : 37135114305

Option 1 ID : 37135157217

Option 2 ID : 37135157219

Option 3 ID : 37135157220

Option 4 ID : 37135157218

Status : Answered

Chosen Option : 4



Q.26 If 'f' is the number of degrees of freedom of a molecule of a gas and ratio of molar specific heats of a gas,  $\gamma = 1 + \frac{2}{f}$  where  $\gamma = C_p/C_v$ . The ratio of '  $\gamma$  ' for monoatomic gas to '  $\gamma$  ' for (rigid) diatomic gas is

Ans

✓ 1.  $\frac{25}{21}$

✗ 2.  $\frac{35}{15}$

✗ 3.  $\frac{21}{25}$

✗ 4.  $\frac{15}{35}$

Question Type : MCQ

Question ID : 37135114340

Option 1 ID : 37135157359

Option 2 ID : 37135157358

Option 3 ID : 37135157360

Option 4 ID : 37135157357

Status : Answered

Chosen Option : 2



Q.27

In non-uniform circular motion, the ratio of tangential acceleration to radial acceleration is (  $r$  = radius of circle,  $V$  = speed and  $\alpha$  = angular acceleration )

Ans

1.  $\frac{r \alpha}{V}$

2.  $\left(\frac{r}{V}\right)^2 \alpha$

3.  $\left(\frac{V}{r}\right)^2 \frac{1}{\alpha}$

4.  $\left(\frac{V}{r}\right)^2 \alpha$

Question Type : MCQ

Question ID : 37135114306

Option 1 ID : 37135157224

Option 2 ID : 37135157222

Option 3 ID : 37135157223

Option 4 ID : 37135157221

Status : Answered

Chosen Option : 2

Q.28 When light of wavelength ' $\lambda$ ' is incident on a photosensitive surface, the stopping potential is 'V'. When light of wavelength ' $3\lambda$ ' is incident on the same surface, the stopping potential is  $\frac{V}{6}$ . Threshold wavelength for the surface is

Ans

✓<sub>1.</sub>  $5\lambda$

✗<sub>2.</sub>  $9\lambda$

✗<sub>3.</sub>  $3\lambda$

✗<sub>4.</sub>  $6\lambda$

Question Type : MCQ

Question ID : 37135114334

Option 1 ID : 37135157334

Option 2 ID : 37135157336

Option 3 ID : 37135157333

Option 4 ID : 37135157335

Status : Answered

Chosen Option : 2

Q.29 A stretched string under tension fixed at both ends vibrates in 4<sup>th</sup> harmonic. The equation of the stationary wave is  $Y = 3 \sin(200\pi t) \cos(0.4x)$  where  $x$  and  $y$  are in cm and  $t$  in second. The length of the vibrating string is

Ans

✓ 1.  $10 \pi$

✗ 2.  $4 \pi$

✗ 3.  $6 \pi$

✗ 4.  $8 \pi$

Question Type : MCQ

Question ID : 37135114315

Option 1 ID : 37135157260

Option 2 ID : 37135157257

Option 3 ID : 37135157258

Option 4 ID : 37135157259

Status : Answered

Chosen Option : 3

Q.30 The resonance tube is filled with a liquid of density higher than that of water, then resonating frequency

Ans

1. may increase or decrease.

2. will decrease.

3. will not change.

4. will increase.

Question Type : MCQ

Question ID : 37135114327

Option 1 ID : 37135157308

Option 2 ID : 37135157307

Option 3 ID : 37135157305

Option 4 ID : 37135157306

Status : Answered

Chosen Option : 2

Q.31 When Young's double slit experiment is performed in liquid, 8<sup>th</sup> bright band is found to lie where 5<sup>th</sup> dark band lies in air. Refractive index of liquid is

Ans

1. 1.9

2. 1.77

3. 1.5

4. 1.33

Question Type : MCQ

Question ID : 37135114335

Option 1 ID : 37135157340

Option 2 ID : 37135157339

Option 3 ID : 37135157338

Option 4 ID : 37135157337

Status : Answered

Chosen Option : 3



Q.32 The upward force of 105 dyne due to surface tension is balanced by the force due to the weight of the water column and 'h' is the height of water in the capillary. The inner circumference of the capillary is (surface tension of water =  $7 \times 10^{-2}$  N/m)

Ans

✓ 1. 1.5 cm

✗ 2. 2.5 cm

✗ 3. 2 cm

✗ 4. 1 cm

Question Type : MCQ

Question ID : 37135114342

Option 1 ID : 37135157366

Option 2 ID : 37135157368

Option 3 ID : 37135157367

Option 4 ID : 37135157365

Status : Answered

Chosen Option : 3

Q.33 The range of the voltmeter is 'V' when  $50\ \Omega$  resistance is connected in series. Its range gets doubled when  $500\ \Omega$  resistance is connected in series. The resistance of voltmeter is

Ans

1.  $200\ \Omega$

2.  $400\ \Omega$

3.  $600\ \Omega$

4.  $800\ \Omega$

Question Type : **MCQ**

Question ID : **37135114349**

Option 1 ID : **37135157393**

Option 2 ID : **37135157394**

Option 3 ID : **37135157395**

Option 4 ID : **37135157396**

Status : **Answered**

Chosen Option : **4**



Q.34 In Boolean algebra the output C and the inputs A and B are related as  $C = \overline{A \cdot B}$ . The logic gate corresponding to this equation is

Ans

1. NOT

2. AND

3. OR

4. NAND

Question Type : **MCQ**

Question ID : **37135114331**

Option 1 ID : **37135157324**

Option 2 ID : **37135157321**

Option 3 ID : **37135157323**

Option 4 ID : **37135157322**

Status : **Answered**

Chosen Option : **4**



Q.35 A bomb at rest explodes in to three parts of same mass. The momentum of two parts is  $-3 P\hat{i}$  and  $2 P\hat{j}$  respectively. The magnitude of the momentum of third part is

Ans

1.  $\sqrt{11} P$

2.  $\sqrt{13} P$

3.  $\sqrt{15} P$

4.  $\sqrt{7} P$

Question Type : MCQ

Question ID : 37135114348

Option 1 ID : 37135157390

Option 2 ID : 37135157391

Option 3 ID : 37135157392

Option 4 ID : 37135157389

Status : Answered

Chosen Option : 2

Q.36

The initial pressure and volume of a gas is 'P' and 'V' respectively. First by isothermal process gas is expanded to volume '9V' and then by adiabatic process its volume is compressed to 'V' then its final pressure is (Ratio of specific heat at constant pressure to constant volume =  $\frac{3}{2}$  )

Ans

1. 6 P

2. 27 P

3. 3 P

4. 9 P

Question Type : MCQ

Question ID : 37135114307

Option 1 ID : 37135157226

Option 2 ID : 37135157228

Option 3 ID : 37135157225

Option 4 ID : 37135157227

Status : Answered

Chosen Option : 2

Q.37 'n' number of waves are produced on a string in 0.5 second. Now the tension in a string is doubled (Keeping radius constant). The number of waves produced in 0.5 second for the same harmonic will be

Ans

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

2. n

3.  $\frac{\sqrt{2}}{n}$

4.  $\sqrt{2} n$

Question Type : MCQ

Question ID : 37135114320

Option 1 ID : 37135157280

Option 2 ID : 37135157277

Option 3 ID : 37135157279

Option 4 ID : 37135157278

Status : Answered

Chosen Option : 4

Q.38

Two coherent monochromatic light beams of intensities  $4I$  and  $9I$  are superposed.

The maximum and minimum possible intensities in the resulting beam are

Ans

1.  $4I$  and  $9I$

2.  $16I$  and  $21I$

3.  $2I$  and  $3I$

4.  $25I$  and  $I$

Question Type : MCQ

Question ID : 37135114314

Option 1 ID : 37135157254

Option 2 ID : 37135157255

Option 3 ID : 37135157253

Option 4 ID : 37135157256

Status : Answered

Chosen Option : 4

Q.39 An electron in a stationary Bohr orbit of hydrogen atom jumps from 4<sup>th</sup> energy level to the ground state. The velocity that the photon acquired as a result of electron transition will be ( $h$  = Planck's constant,  $R$  = Rydberg's constant,  $m$  = mass of photon)

Ans

✓ 1.  $\frac{15 hR}{16 m}$

✗ 2.  $\frac{12 hR}{13 m}$

✗ 3.  $\frac{9 hR}{11 m}$

✗ 4.  $\frac{7 hR}{9 m}$

Question Type : MCQ

Question ID : 37135114341

Option 1 ID : 37135157361

Option 2 ID : 37135157362

Option 3 ID : 37135157363

Option 4 ID : 37135157364

Status : Answered

Chosen Option : 1

Q.40 Two long thin parallel wires carrying current 'I' separated by a distance 'd' exert force 'F' on one another. The distance between them is doubled and current is decreased to  $\frac{1}{3}$ . The force they exert on one another is

Ans

1.  $\frac{F}{6}$

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

3.  $\frac{F}{18}$

4.  $\frac{F}{9}$

Question Type : MCQ

Question ID : 37135114313

Option 1 ID : 37135157250

Option 2 ID : 37135157249

Option 3 ID : 37135157252

Option 4 ID : 37135157251

Status : Answered

Chosen Option : 2

Q.41 A spring has length 'L' and force constant 'K'. It is cut into two springs of length 'L<sub>1</sub>' and 'L<sub>2</sub>' such that L<sub>1</sub> = NL<sub>2</sub> (N is an integer). The force constant of spring of length 'L<sub>1</sub>' is

Ans

✓ 1.  $\frac{K(N+1)}{N}$

✗ 2.  $\frac{K(N+1)}{2N}$

✗ 3.  $\frac{K(N-1)}{N}$

✗ 4.  $\frac{K(N-1)}{2N}$

Question Type : MCQ

Question ID : 37135114325

Option 1 ID : 37135157298

Option 2 ID : 37135157300

Option 3 ID : 37135157297

Option 4 ID : 37135157299

Status : Answered

Chosen Option : 1



Q.42 A simple pendulum of length 'L' has mass 'M' and it oscillates freely with amplitude

'A'. At extreme position its potential energy is ( g = acceleration due to gravity )

Ans

✗ 1.  $\frac{MgA}{2L}$

✗ 2.  $\frac{2 MgA}{L}$

✗ 3.  $\frac{MgA^2}{L}$

✓ 4.  $\frac{MgA^2}{2 L}$

Question Type : MCQ

Question ID : 37135114312

Option 1 ID : 37135157248

Option 2 ID : 37135157247

Option 3 ID : 37135157246

Option 4 ID : 37135157245

Status : Answered

Chosen Option : 4

Q.43 In vacuum, light takes time 't' to travel a distance 'd' and it takes time 'T' to travel a distance '5d' in a denser medium. The critical angle of the given pair of media is

Ans

1.  $\sin^{-1} \left( \frac{3t}{T} \right)$

2.  $\sin^{-1} \left( \frac{5t}{T} \right)$

3.  $\sin^{-1} \left( \frac{t}{T} \right)$

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

Question Type : MCQ

Question ID : 37135114309

Option 1 ID : 37135157236

Option 2 ID : 37135157235

Option 3 ID : 37135157233

Option 4 ID : 37135157234

Status : Answered

Chosen Option : 2

Q.44 Two parallel plates separated by a distance 'd' are kept at potential difference 'V' volt. A charge 'q' of mass 'm' enters in parallel plates with some velocity. The acceleration of the charged particle will be

Ans

1.  $\frac{md}{Vq}$

2.  $\frac{qm}{Vd}$

3.  $\frac{qV}{dm}$

4.  $\frac{qd}{Vm}$

Question Type : **MCQ**

Question ID : **37135114339**

Option 1 ID : **37135157356**

Option 2 ID : **37135157354**

Option 3 ID : **37135157355**

Option 4 ID : **37135157353**

Status : **Answered**

Chosen Option : **3**

Q.45 A current carrying circular coil of area 'A' produces magnetic field 'B' at the centre.

The magnetic moment of the coil is ( $\mu_0$  = permeability of free space )

Ans

1.  $\frac{BA^3}{2\pi\mu_0}$

2.  $\frac{2B\sqrt{A^3}}{\mu_0\sqrt{\pi}}$

3.  $\frac{2BA}{\mu_0}$

4.  $\frac{B\sqrt{A^3}}{4\pi\mu_0}$

Question Type : MCQ

Question ID : 37135114318

Option 1 ID : 37135157272

Option 2 ID : 37135157271

Option 3 ID : 37135157269

Option 4 ID : 37135157270

Status : Answered

Chosen Option : 4

**Q.46** A ball falls in the downward direction from a height 'h' with initial velocity V. It collides with ground, loses  $\left(\frac{3}{4}\right)^{\text{th}}$  of energy and comes back to the same height.

The initial velocity 'V' is (g = acceleration due to gravity)

**Ans**

1.  $\sqrt{gh}$

2.  $\sqrt{6gh}$

3.  $\sqrt{3gh}$

4.  $\sqrt{2gh}$

Question Type : **MCQ**

Question ID : **37135114338**

Option 1 ID : **37135157352**

Option 2 ID : **37135157349**

Option 3 ID : **37135157350**

Option 4 ID : **37135157351**

Status : **Answered**

Chosen Option : **1**

Q.47 A particle starting from mean position performs linear S.H.M. Its amplitude is 'A' and total energy is 'E'. At what displacement its kinetic energy is  $3E/4$  ?

Ans

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

2. A

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

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

Question Type : MCQ

Question ID : 37135114337

Option 1 ID : 37135157346

Option 2 ID : 37135157348

Option 3 ID : 37135157345

Option 4 ID : 37135157347

Status : Answered

Chosen Option : 3

Q.48 In phase modulation, according to information signal, a parameter of the carrier wave which is varied, is

Ans

✓ 1. phaseshift.

✗ 2. phaseshift as well as amplitude.

✗ 3. amplitude.

✗ 4. amplitude as well as frequency.

Question Type : MCQ

Question ID : 37135114346

Option 1 ID : 37135157381

Option 2 ID : 37135157383

Option 3 ID : 37135157382

Option 4 ID : 37135157384

Status : Answered

Chosen Option : 3



Q.49 Four spheres each of mass 'M' and radius 'R' are placed with their centres on the corners of a square of side 'L'. The moment of inertia of the system about any side of square is

Ans

1.  $\frac{4}{3}MR^2 + ML^2$

2.  $\frac{3}{5}MR^2 + 2ML^2$

3.  $\frac{8}{5}MR^2 + 2ML^2$

4.  $\frac{6}{5}MR^2 + ML^2$

Question Type : MCQ

Question ID : 37135114322

Option 1 ID : 37135157286

Option 2 ID : 37135157285

Option 3 ID : 37135157287

Option 4 ID : 37135157288

Status : Answered

Chosen Option : 2

Q.50 Resultant of two forces  $\vec{F}_1$  and  $\vec{F}_2$  is of magnitude 'P'. If  $\vec{F}_2$  is reversed, the resultant of two forces is of magnitude 'Q'. The value of  $(P^2 + Q^2)$  is

Ans

1.  $\frac{F_1^2 + F_2^2}{4}$

2.  $\frac{F_1^2 - F_2^2}{2}$

3.  $\frac{F_1^2 + F_2^2}{2}$

4.  $2(F_1^2 + F_2^2)$

Question Type : MCQ

Question ID : 37135114323

Option 1 ID : 37135157292

Option 2 ID : 37135157290

Option 3 ID : 37135157289

Option 4 ID : 37135157291

Status : Answered

Chosen Option : 3

Q.1 Which among the following vitamins must be included sufficiently in the diet to avoid haemorrhage?

Ans

✗ 1. Vitamin E

✗ 2. Vitamin C

✓ 3. Vitamin P

✗ 4. Vitamin K

Question Type : MCQ

Question ID : 37135114371

Option 1 ID : 37135157482

Option 2 ID : 37135157481

Option 3 ID : 37135157484

Option 4 ID : 37135157483

Status : Answered

Chosen Option : 2

Q.2 Which among the following polymers is prepared by using Ziegler – Natta catalyst?

Ans

✓ 1. HDPE

✗ 2. LDPE

✗ 3. Orlon

✗ 4. Dacron

Question Type : MCQ

Question ID : 37135114394

Option 1 ID : 37135157574

Option 2 ID : 37135157573

Option 3 ID : 37135157575

Option 4 ID : 37135157576

Status : Answered

Chosen Option : 2



Q.3 Identify the correct decreasing order of relative tendency of metals to undergo oxidation from following.

Ans

1.  $\text{Cr} > \text{Al} > \text{Mg} > \text{Fe}$

2.  $\text{Mg} > \text{Al} > \text{Cr} > \text{Fe}$

3.  $\text{Al} > \text{Fe} > \text{Cr} > \text{Mg}$

4.  $\text{Fe} > \text{Cr} > \text{Al} > \text{Mg}$

Question Type : **MCQ**

Question ID : **37135114375**

Option 1 ID : **37135157497**

Option 2 ID : **37135157498**

Option 3 ID : **37135157500**

Option 4 ID : **37135157499**

Status : **Answered**

Chosen Option : **4**

Q.4 Which of the following metals does NOT displace zinc from its solution?

Ans

1. **Fe**

2. **K**

3. **Na**

4. **Al**

Question Type : **MCQ**

Question ID : **37135114351**

Option 1 ID : **37135157404**

Option 2 ID : **37135157403**

Option 3 ID : **37135157402**

Option 4 ID : **37135157401**

Status : **Answered**

Chosen Option : **3**



Q.5

One amu is equal to,

Ans

✗ 1.  $6.022 \times 10^{-23} \text{ g}$

✗ 2.  $8.302 \times 10^{-23} \text{ g}$

✓ 3.  $1.6605 \times 10^{-24} \text{ g}$

✗ 4.  $4.661 \times 10^{-25} \text{ g}$

Question Type : MCQ

Question ID : 37135114377

Option 1 ID : 37135157505

Option 2 ID : 37135157506

Option 3 ID : 37135157507

Option 4 ID : 37135157508

Status : Answered

Chosen Option : 1

Q.6

The oxidation state of chlorine in its oxyacid depends upon

Ans

✓ 1.

number of oxygen atoms per molecule

✗ 2.

number of chlorine atoms per molecule

✗ 3.

oxidation state of oxygen in molecule

✗ 4.

number of lone pair electrons on oxygen atom

Question Type : **MCQ**

Question ID : **37135114365**

Option 1 ID : **37135157458**

Option 2 ID : **37135157457**

Option 3 ID : **37135157460**

Option 4 ID : **37135157459**

Status : **Answered**

Chosen Option : **3**



Q.7

Which of the following is NOT a role of histamine?

Ans

✓ 1.

To neutralize excess of acid in stomach

✗ 2.

To contract smooth muscles of blood vessels of stomach wall

✗ 3.

To stimulate the secretion of pepsin

✗ 4.

To stimulate the secretion of hydrochloric acid

Question Type : MCQ

Question ID : 37135114378

Option 1 ID : 37135157511

Option 2 ID : 37135157512

Option 3 ID : 37135157510

Option 4 ID : 37135157509

Status : Answered

Chosen Option : 1



Q.8 Which of the following is obtained on alkaline hydrolysis of 1,1-dichlorocyclohexane?

Ans

- 1. Cyclohexanol
- 2. Cyclohexanone
- 3. Benzaldehyde
- 4. Cyclohexane carbaldehyde

Question Type : **MCQ**  
Question ID : 37135114395  
Option 1 ID : 37135157580  
Option 2 ID : 37135157578  
Option 3 ID : 37135157579  
Option 4 ID : 37135157577  
Status : **Answered**  
Chosen Option : 3

Q.9 Addition of hydrogen bromide to but-2-ene and but-1-ene forms

Ans

- 1.  
1-bromobutane and 2-bromobutane respectively
- 2. 1-bromobutane only
- 3.  
2-bromobutane and 1-bromobutane respectively
- 4. 2-bromobutane only

Question Type : **MCQ**  
Question ID : 37135114376  
Option 1 ID : 37135157502  
Option 2 ID : 37135157504  
Option 3 ID : 37135157501  
Option 4 ID : 37135157503  
Status : **Answered**  
Chosen Option : 3

Q.10

A mixture of starch, sodium hydrogen carbonate and potassium hydrogen tartarate is known as

Ans

- 1. Baking soda
- 2. Caustic Soda
- 3. Washing Soda
- 4. Baking Powder

Question Type : MCQ

Question ID : 37135114368

Option 1 ID : 37135157469

Option 2 ID : 37135157471

Option 3 ID : 37135157472

Option 4 ID : 37135157470

Status : Answered

Chosen Option : 4

Q.11 Identify the products obtained by nitration of aniline in strongly acidic medium

Ans  1.

o-nitroaniline, m-nitroaniline and p-nitroaniline

 2.

p-nitroaniline and o-nitroaniline

 3.

m-nitroaniline and p-nitroaniline

 4.

o-nitroaniline and m-nitroaniline

Question Type : MCQ

Question ID : 37135114399

Option 1 ID : 37135157596

Option 2 ID : 37135157593

Option 3 ID : 37135157595

Option 4 ID : 37135157594

Status : Answered

Chosen Option : 3

Q.12 Why is observed molar mass of acetic acid in benzene is greater than actual molar mass?

Ans  1.

Due to ionization of solute particles

2.

Due to association of solute particles

3. Due to hydrolysis of solute

4.

Due to dissociation of solute particles

Question Type : MCQ

Question ID : 37135114396

Option 1 ID : 37135157583

Option 2 ID : 37135157582

Option 3 ID : 37135157584

Option 4 ID : 37135157581

Status : Answered

Chosen Option : 4

**Q.13** Which of the following compounds is obtained on heating primary amine with chloroform and alcoholic potassium hydroxide ?

**Ans**

1. Alkene

2. Alkyl cyanide

3. Alkyl isocyanide

4. Amide

Question Type : **MCQ**

Question ID : **37135114363**

Option 1 ID : **37135157452**

Option 2 ID : **37135157449**

Option 3 ID : **37135157450**

Option 4 ID : **37135157451**

Status : **Answered**

Chosen Option : **3**

**Q.14** Which among the following pairs of elements in their respective oxidation states will have same value of effective magnetic moment ?  
(Atomic number: Sc = 21, Ti = 22, Cr = 24, Co = 27, Ni = 28, Zn = 30)

**Ans**

1.  $\text{Zn}^{2+}$  and  $\text{Cr}^{3+}$

2.  $\text{Ni}^{2+}$  and  $\text{Ti}^{3+}$

3.  $\text{Cr}^{3+}$  and  $\text{Co}^{2+}$

4.  $\text{Sc}^{3+}$  and  $\text{Ti}^{3+}$

Question Type : **MCQ**

Question ID : **37135114382**

Option 1 ID : **37135157528**

Option 2 ID : **37135157527**

Option 3 ID : **37135157526**

Option 4 ID : **37135157525**

Status : **Answered**

Chosen Option : **3**



Q.15

Which of the following processes does not lead to coagulation?

Ans  1.

Heating of an egg in boiling water.

 2.

Addition of an electrolyte to sol.

 3. Electrophoresis.

 4. Addition of water to gold sol.

Question Type : MCQ

Question ID : 37135114393

Option 1 ID : 37135157569

Option 2 ID : 37135157570

Option 3 ID : 37135157572

Option 4 ID : 37135157571

Status : Answered

Chosen Option : 3



Q.16

Which among the following polymers is used for wrapping food?

Ans

✗ 1. Dacron

✗ 2. Nylon-6

✗ 3. Lexan

✓ 4. Saran

Question Type : MCQ

Question ID : 37135114387

Option 1 ID : 37135157545

Option 2 ID : 37135157546

Option 3 ID : 37135157548

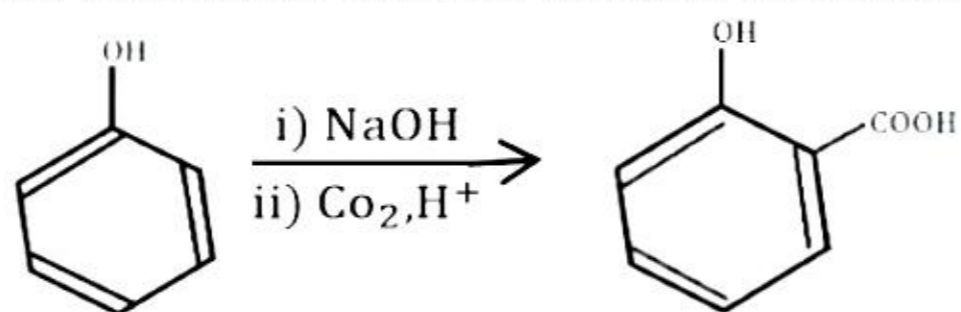
Option 4 ID : 37135157547

Status : Answered

Chosen Option : 3

Q.17

The reaction stated below is named as



Ans

- 1. Kolbe's reaction
- 2. Sandmeyers reaction
- 3. Reimer – Tiemann reaction
- 4. Stephen reaction

Question Type : MCQ

Question ID : 37135114392

Option 1 ID : 37135157566

Option 2 ID : 37135157567

Option 3 ID : 37135157565

Option 4 ID : 37135157568

Status : Answered

Chosen Option : 1

Q.18 Which of the following set of parameters indicate spontaneity of reaction at all temperatures?

Ans

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

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

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

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

Question Type : MCQ

Question ID : 37135114381

Option 1 ID : 37135157524

Option 2 ID : 37135157523

Option 3 ID : 37135157522

Option 4 ID : 37135157521

Status : Answered

Chosen Option : 4

Q.19 Identify the product obtained on roasting of concentrated zinc blende at about 1200 K ?

Ans

1. Zinc Sulphate

2. Zinc Oxide

3. Zinc Spelter

4. Zinc Carbonate

Question Type : MCQ

Question ID : 37135114380

Option 1 ID : 37135157519

Option 2 ID : 37135157518

Option 3 ID : 37135157517

Option 4 ID : 37135157520

Status : Answered

Chosen Option : 2

**Q.20** Identify the precipitate and its quantity obtained when 1 mole of aqueous solution of Tetrammine dichloroplatinum(IV)bromide is treated with aqueous silver nitrate in excess.

**Ans**

1. Two moles of silver chloride

2.

Two moles of silver chloride and one mole of silver bromide

3. One mole of silver bromide

4. Two moles of silver bromide

Question Type : **MCQ**

Question ID : **37135114397**

Option 1 ID : **37135157587**

Option 2 ID : **37135157588**

Option 3 ID : **37135157585**

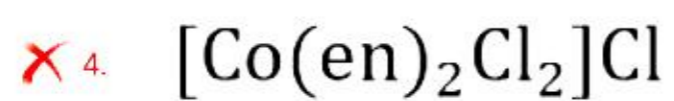
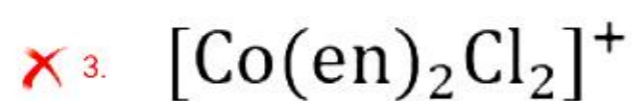
Option 4 ID : **37135157586**

Status : **Answered**

Chosen Option : **3**

Q.21 Which among the following complexes is NOT a heteroleptic complex?

Ans



Question Type : MCQ

Question ID : 37135114372

Option 1 ID : 37135157486

Option 2 ID : 37135157485

Option 3 ID : 37135157487

Option 4 ID : 37135157488

Status : Answered

Chosen Option : 2



Q.22 Which of the following equations is NOT correct for van't Hoff factor?

Ans

1.  $i = \frac{n(\text{observed})}{n(\text{Theoretical})}$

2.  $i = \frac{\text{Theoretical molar mass}}{\text{Observed molar mass}}$

3.  $i = \frac{\text{Observed molar mass}}{\text{Theoretical molar mass}}$

4.  $i = \frac{\pi(\text{Observed})}{\pi(\text{Theoretical})}$

Question Type : MCQ

Question ID : 37135114354

Option 1 ID : 37135157413

Option 2 ID : 37135157414

Option 3 ID : 37135157415

Option 4 ID : 37135157416

Status : Answered

Chosen Option : 3



Q.23

What are the constituents of Natalite?

Ans

- 1. Dimethyl ether and methanol
- 2. Dimethyl ether and ethanol
- 3. Diethyl ether and ethanol
- 4. Diethyl ether and methanol

Question Type : MCQ

Question ID : 37135114370

Option 1 ID : 37135157477

Option 2 ID : 37135157478

Option 3 ID : 37135157480

Option 4 ID : 37135157479

Status : Answered

Chosen Option : 1

Q.24

Which of the following antibiotics contain As=As linkage?

Ans

1. Sulphapyridine

2. Prontosil

3. Salvarsan

4. Sulphanilamide

Question Type : MCQ

Question ID : 37135114384

Option 1 ID : 37135157535

Option 2 ID : 37135157533

Option 3 ID : 37135157536

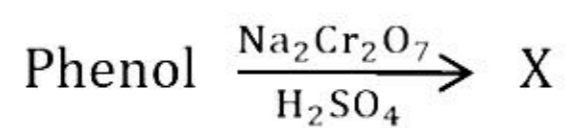
Option 4 ID : 37135157534

Status : Answered

Chosen Option : 3

Q.25

Identify the product X in the following reaction.



Ans

- 1. Benzaldehyde
- 2. Salicylic acid
- 3. Benzoquinone
- 4. Benzoic acid

Question Type : **MCQ**

Question ID : **37135114373**

Option 1 ID : **37135157491**

Option 2 ID : **37135157490**

Option 3 ID : **37135157492**

Option 4 ID : **37135157489**

Status : **Answered**

Chosen Option : **3**

Q.26

Which among the following is a complex lipid?

Ans

- 1. Testosterone
- 2. Lecithin
- 3. Cholesterol
- 4.  $\alpha$  - phellandrene

Question Type : MCQ

Question ID : 37135114352

Option 1 ID : 37135157407

Option 2 ID : 37135157405

Option 3 ID : 37135157406

Option 4 ID : 37135157408

Status : Answered

Chosen Option : 3

Q.27 Which element among the following exhibits electronic configuration as  $[\text{Xe}]4f^0$  in +4 oxidation state?

Ans

- 1. Neodymium ( $z=60$ )
- 2. Praseodymium ( $z=59$ )
- 3. Cerium ( $z = 58$ )
- 4. Dysprosium ( $z=66$ )

Question Type : MCQ

Question ID : 37135114355

Option 1 ID : 37135157420

Option 2 ID : 37135157418

Option 3 ID : 37135157417

Option 4 ID : 37135157419

Status : Answered

Chosen Option : 4

Q.28 Which of the following compounds is obtained on ozonolysis of  $\text{CH}_3\text{CH}=\text{CHCH}_3$  followed by reduction with Zn dust and water ?

Ans

1. Butanal

2. Propanal

3. Propanone

4. Butanone

Question Type : MCQ

Question ID : 37135114388

Option 1 ID : 37135157552

Option 2 ID : 37135157550

Option 3 ID : 37135157549

Option 4 ID : 37135157551

Status : Answered

Chosen Option : 4

Q.29 Identify the compound that gives 2,5-dimethyl hexane by reacting with sodium metal in presence of dry ether.

Ans

1. tert-butyl bromide

2. sec-butyl bromide

3. n-butyl bromide

4. isobutyl bromide

Question Type : MCQ

Question ID : 37135114362

Option 1 ID : 37135157448

Option 2 ID : 37135157445

Option 3 ID : 37135157446

Option 4 ID : 37135157447

Status : Answered

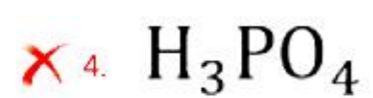
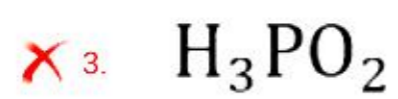
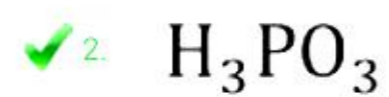
Chosen Option : 4





Q.30 In which among the following compounds, oxidation number of phosphorus is +3?

Ans



Question Type : MCQ

Question ID : 37135114357

Option 1 ID : 37135157428

Option 2 ID : 37135157426

Option 3 ID : 37135157425

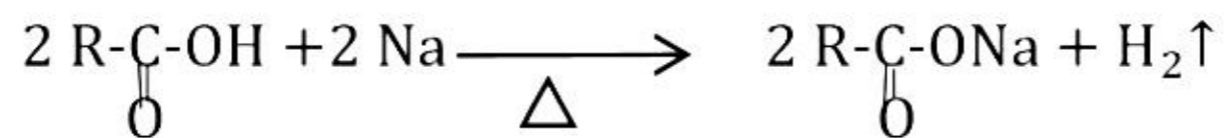
Option 4 ID : 37135157427

Status : Answered

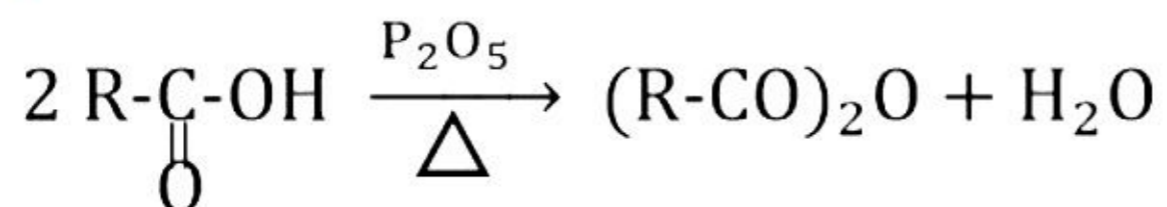
Chosen Option : 2

Q.31 Which among the following reactions explain the acidic property of carboxylic acid?

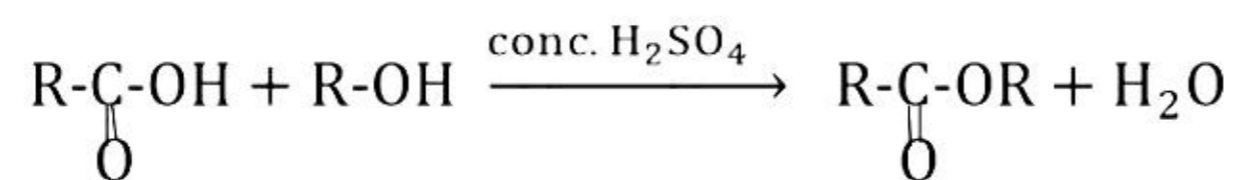
Ans  1.



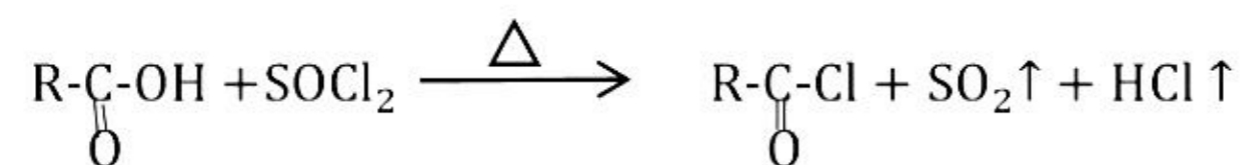
 2.



 3.



 4.



Question Type : MCQ

Question ID : 37135114367

Option 1 ID : 37135157466

Option 2 ID : 37135157468

Option 3 ID : 37135157467

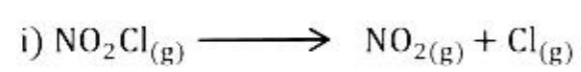
Option 4 ID : 37135157465

Status : Answered

Chosen Option : 3

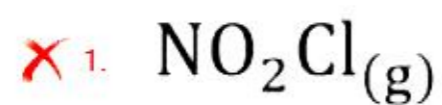
Q.32

The reaction  $2\text{NO}_2\text{Cl}_{(g)} \longrightarrow 2\text{NO}_{2(g)} + \text{Cl}_{2(g)}$  takes place in two steps as



Identify the reaction intermediate.

Ans



Question Type : MCQ

Question ID : 37135114385

Option 1 ID : 37135157537

Option 2 ID : 37135157538

Option 3 ID : 37135157539

Option 4 ID : 37135157540

Status : Answered

Chosen Option : 2

Q.33

What is the torsion angle in staggered conformation of ethane

Ans

1.  $45^\circ$

2.  $180^\circ$

3.  $60^\circ$

4.  $0^\circ$

Question Type : MCQ

Question ID : 37135114379

Option 1 ID : 37135157516

Option 2 ID : 37135157515

Option 3 ID : 37135157514

Option 4 ID : 37135157513

Status : Answered

Chosen Option : 2

Q.34

Thermodynamics deals with

Ans

1.

the path between the two states of the system

2.

microscopic properties of system

3.

rates at which physical and chemical processes occur

4.

macroscopic properties of the system

Question Type : **MCQ**

Question ID : **37135114360**

Option 1 ID : **37135157438**

Option 2 ID : **37135157437**

Option 3 ID : **37135157439**

Option 4 ID : **37135157440**

Status : **Answered**

Chosen Option : **1**

Q.35 Which of the following molecules contain hybrid orbitals with 25% 's' character?

Ans

1. Ethylene

2. Boron trifluoride

3. Acetylene

4. Methane

Question Type : MCQ

Question ID : 37135114364

Option 1 ID : 37135157455

Option 2 ID : 37135157456

Option 3 ID : 37135157453

Option 4 ID : 37135157454

Status : Answered

Chosen Option : 4

Q.36 What is the mass of unit cell of gold if it crystallises in fcc structure?  
(at.mass of gold = 197 g mol<sup>-1</sup>)

Ans

1.  $98.14 \times 10^{-23}$  g

2.  $32.71 \times 10^{-23}$  g

3.  $65.42 \times 10^{-23}$  g

4.  $130.85 \times 10^{-23}$  g

Question Type : MCQ

Question ID : 37135114366

Option 1 ID : 37135157464

Option 2 ID : 37135157461

Option 3 ID : 37135157462

Option 4 ID : 37135157463

Status : Answered

Chosen Option : 1





Q.37 What is the radius of sodium atom if it crystallizes in bcc structure with edge length of unit cell  $4.29 \times 10^{-8}$  cm.

Ans

1.  $2.30 \times 10^{-8}$  cm

2.  $6.19 \times 10^{-9}$  cm

3.  $1.85 \times 10^{-8}$  cm

4.  $1.61 \times 10^{-8}$  cm

Question Type : MCQ

Question ID : 37135114389

Option 1 ID : 37135157556

Option 2 ID : 37135157555

Option 3 ID : 37135157554

Option 4 ID : 37135157553

Status : Answered

Chosen Option : 3

Q.38 How many lone pair of electrons are present on each oxygen atom in any oxy acids of chlorine?

Ans

1. 0

2. 3

3. 1

4. 2

Question Type : MCQ

Question ID : 37135114356

Option 1 ID : 37135157421

Option 2 ID : 37135157424

Option 3 ID : 37135157422

Option 4 ID : 37135157423

Status : Answered

Chosen Option : 4

Q.39

What is the oxidation state of chlorine atom in perchloric acid?

Ans

1. -5

2. +7

3. +5

4. +3

Question Type : MCQ

Question ID : 37135114369

Option 1 ID : 37135157474

Option 2 ID : 37135157476

Option 3 ID : 37135157475

Option 4 ID : 37135157473

Status : Answered

Chosen Option : 3

Q.40

What is the bond order of  $\text{Be}_2$  molecule?

Ans

1. Two

2. Three

3. Zero

4. One

Question Type : MCQ

Question ID : 37135114383

Option 1 ID : 37135157531

Option 2 ID : 37135157532

Option 3 ID : 37135157530

Option 4 ID : 37135157529

Status : Answered

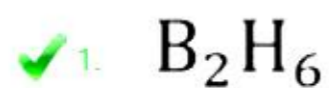
Chosen Option : 3



Q.41

Which among the following is a polynuclear hydride?

Ans



Question Type : MCQ

Question ID : 37135114386

Option 1 ID : 37135157541

Option 2 ID : 37135157544

Option 3 ID : 37135157542

Option 4 ID : 37135157543

Status : Answered

Chosen Option : 3

Q.42

The rate law for the reaction is  $r_1 = k[A]^a [B]^b$ . If the concentration of A is doubled and that of B is halved, the new rate is  $r_2$  then what is the ratio of  $r_2/r_1$ ?

Ans

✗ 1.  $a - b$

✗ 2.  $\frac{1}{2(a+b)}$

✗ 3.  $a + b$

✓ 4.  $2^{(a-b)}$

Question Type : MCQ

Question ID : 37135114398

Option 1 ID : 37135157591

Option 2 ID : 37135157589

Option 3 ID : 37135157590

Option 4 ID : 37135157592

Status : Answered

Chosen Option : 4

Q.43 Which among the following on chlorination yields only one monochloroderivative?

Ans

1. Isopentane

2. Neopentane

3. n-pentane

4. 2, 3-Dimethylpentane

Question Type : MCQ

Question ID : 37135114353

Option 1 ID : 37135157410

Option 2 ID : 37135157411

Option 3 ID : 37135157409

Option 4 ID : 37135157412

Status : Answered

Chosen Option : 3

Q.44 Which among the following compounds does not exhibit resonance?

Ans

1. Cyclohexane

2. Phenol

3. Aniline

4. Nitro ethane

Question Type : MCQ

Question ID : 37135114374

Option 1 ID : 37135157494

Option 2 ID : 37135157493

Option 3 ID : 37135157496

Option 4 ID : 37135157495

Status : Answered

Chosen Option : 1





**Q.45** The standard emf of Daniell cell is 1.10 volt. What is the maximum electrical work obtained from Daniell cell? ( $F=96500\text{ C}$ )

Ans

✓ 1. 212.3 kJ

✗ 2. 175.4 kJ

✗ 3. 106.15 kJ

✗ 4. 57.07 kJ

Question Type : **MCQ**

Question ID : **37135114359**

Option 1 ID : **37135157436**

Option 2 ID : **37135157435**

Option 3 ID : **37135157434**

Option 4 ID : **37135157433**

Status : **Answered**

Chosen Option : **3**

**Q.46** What mass of water is formed when 1 mole of methane gas reacts with 2 mole of dioxygen under identical conditions in their standard states ?

Ans

✗ 1. 27 g

✗ 2. 18 g

✓ 3. 36 g

✗ 4. 54 g

Question Type : **MCQ**

Question ID : **37135114391**

Option 1 ID : **37135157562**

Option 2 ID : **37135157561**

Option 3 ID : **37135157563**

Option 4 ID : **37135157564**

Status : **Answered**

Chosen Option : **3**

Q.47

IUPAC name of  $\text{H}_2\text{N}-\text{CH}_2-\text{CH}=\text{CH}_2$  is

Ans

- 1. 1-propenamine
- 2. 3-Aminopropene
- 3. Prop-1-en-3-amine
- 4. Prop-2-en-1-amine

Question Type : MCQ

Question ID : 37135114358

Option 1 ID : 37135157429

Option 2 ID : 37135157432

Option 3 ID : 37135157430

Option 4 ID : 37135157431

Status : Answered

Chosen Option : 4



Q.48

Which among the following gases is difficult to liquefy ?

Ans

1. Ammonia

2. Carbondioxide

3. Oxygen

4. Chlorine

Question Type : MCQ

Question ID : 37135114390

Option 1 ID : 37135157559

Option 2 ID : 37135157560

Option 3 ID : 37135157557

Option 4 ID : 37135157558

Status : Answered

Chosen Option : 2

Q.49

Gold crystallises in fcc structure with edge length 396 pm, find atomic radius of gold ?

Ans

1. 198 pm

2. 714 pm

3. 140 pm

4. 162 pm

Question Type : MCQ

Question ID : 37135114361

Option 1 ID : 37135157442

Option 2 ID : 37135157444

Option 3 ID : 37135157441

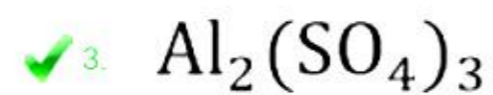
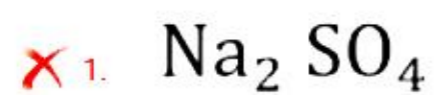
Option 4 ID : 37135157443

Status : Answered

Chosen Option : 1

Q.50 Which of the following salts of same concentration will have same value of van't Hoff factor as that of  $K_4[Fe(CN)_6]$  ?

Ans



Question Type : MCQ

Question ID : 37135114400

Option 1 ID : 37135157600

Option 2 ID : 37135157598

Option 3 ID : 37135157597

Option 4 ID : 37135157599

Status : Answered

Chosen Option : 3

Navigation: Biology

**Q.1** Match the Column-I with Column-II and select the correct option.

- | Column-I           | Column-II   |
|--------------------|---|
| a) Metacentric     | i) Centromere slightly away from the middle of chromosome |
| b) Sub-metacentric | ii) Centromere at the tip                                 |
| c) Acrocentric     | iii) Centromere in the middle of chromosome.              |
| d) Telocentric     | iv) Centromere near the end of chromosome.                |

**Ans** ✓ 1.

a-iii,      b-i,      c-iv,      d-ii

✗ 2.

a-iv,      b-ii,      c-iii,      d-i

✗ 3.

a-ii,      b-iii,      c-iv,      d-i

✗ 4.

a-iii,      b-ii,      c-i,      d-iv

Question Type : **MCQ**

Question ID : **37135114486**

Option 1 ID : **37135157942**

Option 2 ID : **37135157943**

Option 3 ID : **37135157941**

Option 4 ID : **37135157944**

Status : **Answered**

Chosen Option : **1**

Q.2 Select the correct match with reference to excretion.

Ans  1.

Ornithine cycle – uric acid synthesis

2.

Camel – uricotelic animal

3.

Low threshold substance – glucose

4.

High threshold substance – amino acids

Question Type : **MCQ**

Question ID : **37135114473**

Option 1 ID : **37135157891**

Option 2 ID : **37135157892**

Option 3 ID : **37135157889**

Option 4 ID : **37135157890**

Status : **Answered**

Chosen Option : **4**

Q.3 What is the name of disease in which a rice plant grows tall, thin and becomes pale?

Ans  1. **Rust disease**

2.

**Hill bunt disease**

3.

**Bakane disease**

4.

**Black-rot disease**

Question Type : **MCQ**

Question ID : **37135114435**

Option 1 ID : **37135157737**

Option 2 ID : **37135157738**

Option 3 ID : **37135157739**

Option 4 ID : **37135157740**

Status : **Answered**

Chosen Option : **3**



Q.4 The best method to eliminate harmful recessive genes in the technique of animal breeding is \_\_\_\_\_.

Ans  1.

inter-specific hybridization.

2. outcrossing

3. in- breeding

4.

cross-breeding

Question Type : MCQ

Question ID : 37135114463

Option 1 ID : 37135157852

Option 2 ID : 37135157849

Option 3 ID : 37135157850

Option 4 ID : 37135157851

Status : Answered

Chosen Option : 2

Q.5 The outer chitinous layer of the gemmule of a sponge is secreted by \_\_\_\_\_.

Ans

1. choanocytes

2. interstitial cells

3. amoebocytes

4. archaeocytes

Question Type : MCQ

Question ID : 37135114471

Option 1 ID : 37135157884

Option 2 ID : 37135157883

Option 3 ID : 37135157882

Option 4 ID : 37135157881

Status : Answered

Chosen Option : 3



Q.6 To get a disease-free plant from a virus infected plant, which one of the following can be used as an explant in tissue culture?

Ans

✗ 1. floral buds

✓ 2.

shoot apical meristem

✗ 3.

medullary rays

✗ 4.

parenchyma from pith

Question Type : MCQ

Question ID : 37135114441

Option 1 ID : 37135157764

Option 2 ID : 37135157763

Option 3 ID : 37135157761

Option 4 ID : 37135157762

Status : Answered

Chosen Option : 2

Q.7 The tubular, colourless delicate prolongations of epidermal cells are seen in which region of root in plants?

Ans

✗ 1. Cell division

✓ 2. Absorption

✗ 3. Maturation

✗ 4. Cell elongation

Question Type : MCQ

Question ID : 37135114450

Option 1 ID : 37135157798

Option 2 ID : 37135157800

Option 3 ID : 37135157797

Option 4 ID : 37135157799

Status : Answered

Chosen Option : 4

Q.8 In human beings, the follicular cells of Graafian follicle secrete\_\_\_\_\_.

Ans  1.

human chorionic gonadotropin

2. relaxin

3. testosterone

4. estrogen

Question Type : MCQ

Question ID : 37135114462

Option 1 ID : 37135157845

Option 2 ID : 37135157848

Option 3 ID : 37135157847

Option 4 ID : 37135157846

Status : Answered

Chosen Option : 3

Q.9 In fishes, \_\_\_\_\_maximizes oxygen transfer from water into the gills.

Ans  1.

more permeability for solutes

2.

more thin membranes of gills

3.

more number of gills

4.

counter-current flow

Question Type : MCQ

Question ID : 37135114492

Option 1 ID : 37135157966

Option 2 ID : 37135157967

Option 3 ID : 37135157968

Option 4 ID : 37135157965

Status : Answered

Chosen Option : 2

Q.10

The 70S ribosomes occur in one of the following.

Ans

✗ 1.

Bacterial cells, endoplasmic reticulum and mesosome.

✓ 2.

Bacterial cells, mitochondria and chloroplasts.

✗ 3.

Nucleus, mesosome and mitochondrion.

✗ 4.

Chloroplasts, Golgi complex and mitochondria.

Question Type : **MCQ**

Question ID : **37135114497**

Option 1 ID : **37135157987**

Option 2 ID : **37135157985**

Option 3 ID : **37135157988**

Option 4 ID : **37135157986**

Status : **Answered**

Chosen Option : **2**

Q.11

Which one of the following liquor is obtained by fermentation of fruit juices?

Ans

✗ 1. Beer

✗ 2. Whisky

✓ 3. Wine

✗ 4. Rum

Question Type : **MCQ**

Question ID : **37135114446**

Option 1 ID : **37135157781**

Option 2 ID : **37135157782**

Option 3 ID : **37135157783**

Option 4 ID : **37135157784**

Status : **Answered**

Chosen Option : **3**

Q.12

Select the correct option.

Sub order Anthroidea includes \_\_\_\_\_.

- i) Lemurs
- ii) Lorises and tarsiers
- iii) Old and new world monkeys
- iv) Apes
- v) Man

Ans

1. ii, iii and iv

2. ii and iii

3. iii, iv and v

4. i and ii

Question Type : MCQ

Question ID : 37135114477

Option 1 ID : 37135157907

Option 2 ID : 37135157906

Option 3 ID : 37135157908

Option 4 ID : 37135157905

Status : Answered

Chosen Option : 4



Q.13 Alcohol abuse shows ill effects on \_\_\_\_\_ causing its cirrhosis.

Ans

✓ 1. liver

✗ 2. lung

✗ 3. stomach

✗ 4. heart

Question Type : MCQ

Question ID : 37135114457

Option 1 ID : 37135157826

Option 2 ID : 37135157827

Option 3 ID : 37135157828

Option 4 ID : 37135157825

Status : Answered

Chosen Option : 2

Q.14 Select the INCORRECT statement.

Ans

✓ 1.

DNase gene is employed to treat emphysema.

✗ 2.

Transgenic animals are used for the production of pharmacological compounds to treat PKU.

✗ 3.

The investigation of new treatment of rheumatoid arthritis by transgenic animal is done.

✗ 4.

A vaccine is an antigenic preparation to induce immunity.

Question Type : MCQ

Question ID : 37135114500

Option 1 ID : 37135158000

Option 2 ID : 37135157999

Option 3 ID : 37135157997

Option 4 ID : 37135157998

Status : Answered

Chosen Option : 1

Q.15

An iron containing red protein is \_\_\_\_\_.

Ans

✓ 1.

ferredoxin

✗ 2. cytochrome – f

✗ 3. cytochrome b<sub>6</sub>

✗ 4. plastocyanin

Question Type : MCQ

Question ID : 37135114409

Option 1 ID : 37135157633

Option 2 ID : 37135157634

Option 3 ID : 37135157635

Option 4 ID : 37135157636

Status : Answered

Chosen Option : 1

Q.16 Lysosomes are  A  dense bodies, and originate from  B .

Ans

✓ 1.

A- single membrane bound,      B- Golgi apparatus

✗ 2.

A-double membrane bound,      B- Golgi apparatus

✗ 3.

A-double membrane bound,      B- endoplasmic reticulum

✗ 4.

A-single membrane bound,      B- nucleus

Question Type : MCQ

Question ID : 37135114470

Option 1 ID : 37135157880

Option 2 ID : 37135157877

Option 3 ID : 37135157879

Option 4 ID : 37135157878

Status : Answered

Chosen Option : 2



Q.17

The first stable compound of C<sub>4</sub> pathway is \_\_\_\_\_.

Ans

1.

phosphoglyceric acid

2.

1, 3 diphosphoglyceric acid

3.

oxalosuccinic acid

4.

oxaloacetic acid

Question Type : MCQ

Question ID : 37135114402

Option 1 ID : 37135157605

Option 2 ID : 37135157608

Option 3 ID : 37135157607

Option 4 ID : 37135157606

Status : Answered

Chosen Option : 4

Q.18

Impairment of Glossopharyngeal nerve will most probably NOT affect \_\_\_\_\_.

Ans

1. rotation of eyeball

2. swallowing

3. saliva secretion

4. sense of taste

Question Type : MCQ

Question ID : 37135114483

Option 1 ID : 37135157929

Option 2 ID : 37135157931

Option 3 ID : 37135157932

Option 4 ID : 37135157930

Status : Answered

Chosen Option : 1

Q.19 In the first step of PCR technique heating breaks the \_\_\_\_\_ bonds of DNA molecule.

Ans  1.

hydrogen

2.

phospho-di-ester

3. glycosidic

4. sugar – phosphate

Question Type : MCQ

Question ID : 37135114422

Option 1 ID : 37135157686

Option 2 ID : 37135157685

Option 3 ID : 37135157687

Option 4 ID : 37135157688

Status : Answered

Chosen Option : 1

Q.20 In angiosperms the number of female gametes needed for double fertilization is \_\_\_\_\_.

Ans

1. 6

2. 2

3. 1

4. 4

Question Type : MCQ

Question ID : 37135114403

Option 1 ID : 37135157609

Option 2 ID : 37135157611

Option 3 ID : 37135157612

Option 4 ID : 37135157610

Status : Answered

Chosen Option : 4

Q.21 Discolouration and physical deterioration of buildings and sculptures is due to \_\_\_\_\_ pollutant in air.

Ans

✓ 1. Sulphur dioxide

✗ 2. Chlorofluorocarbon

✗ 3. Carbon dioxide

✗ 4. Carbon monoxide

Question Type : MCQ

Question ID : 37135114479

Option 1 ID : 37135157915

Option 2 ID : 37135157916

Option 3 ID : 37135157913

Option 4 ID : 37135157914

Status : Answered

Chosen Option : 1

Q.22 Match the following diseases with their respective causative agents from Column-I and II, and select correct option.

Column-I

Column-II

a) Acute coryza

i) *Wuchereria*

b) Pneumonia

ii) *Microsporum*

c) Dermatophytosis

iii) *Streptococcus*

d) Elephantiasis

iv) Rhino viruses

Ans

✗ 1.

a-iii,      b-iv,      c-ii,      d-i

✗ 2.

a-iv,      b-ii,      c-i,      d-iii

✗ 3.

a-ii,      b-iii,      c-iv,      d-i

✓ 4.

a-iv,      b-iii,      c-ii,      d-i

Question Type : MCQ

Question ID : 37135114493

Option 1 ID : 37135157972

Option 2 ID : 37135157970

Option 3 ID : 37135157971

Option 4 ID : 37135157969

Status : Answered

Chosen Option : 4





Q.23 What is NOT true about cohesion-tension theory of translocation of water in plants?

Ans  1.

Transpiration pull is transmitted downward from leaf, stem to root.

2.

Living cells of roots play an active role and ascent of sap occurs actively.

3.

There is a force of attraction between water and lignified walls of xylem cells.

4.

Water molecules have strong mutual attraction so they cannot be easily separated.

Question Type : MCQ

Question ID : 37135114430

Option 1 ID : 37135157720

Option 2 ID : 37135157719

Option 3 ID : 37135157718

Option 4 ID : 37135157717

Status : Answered

Chosen Option : 4

Q.24 Which group of vitamins given below are water soluble?

Ans

1. Vitamin A and B

2. Vitamin B and C

3. Vitamin E and K

4. Vitamin C and D

Question Type : MCQ

Question ID : 37135114428

Option 1 ID : 37135157709

Option 2 ID : 37135157710

Option 3 ID : 37135157712

Option 4 ID : 37135157711

Status : Answered

Chosen Option : 2

Q.25

Tachycardia means fast heart rate with beats over \_\_\_\_ per minute.

Ans

1. 60

2. 95

3. 100

4. 75

Question Type : MCQ

Question ID : 37135114475

Option 1 ID : 37135157897

Option 2 ID : 37135157899

Option 3 ID : 37135157900

Option 4 ID : 37135157898

Status : Answered

Chosen Option : 3

Q.26

The corona radiata present around the female gamete is made up of \_\_\_\_\_.

Ans

1. granulosa cells

2. cortical cells of ovary

3.

cells of theca externa

4. cells of theca interna

Question Type : MCQ

Question ID : 37135114478

Option 1 ID : 37135157911

Option 2 ID : 37135157912

Option 3 ID : 37135157909

Option 4 ID : 37135157910

Status : Answered

Chosen Option : 3

Q.27 Richmond - Lang effect is related with \_\_\_\_\_.

Ans  1.

promoting cell division

2.

apical dominance

3.

prevention of abscission layer formation

4.

delaying senescence

Question Type : MCQ

Question ID : 37135114401

Option 1 ID : 37135157602

Option 2 ID : 37135157601

Option 3 ID : 37135157603

Option 4 ID : 37135157604

Status : Answered

Chosen Option : 4

Q.28 In *Salvia* and *Cestrum*, the pollination is achieved with help of \_\_\_\_\_.

Ans

1. insects

2. wind

3. bats

4. birds

Question Type : MCQ

Question ID : 37135114419

Option 1 ID : 37135157675

Option 2 ID : 37135157676

Option 3 ID : 37135157674

Option 4 ID : 37135157673

Status : Answered

Chosen Option : 1



Q.29 The correct path of transport of urine is \_\_\_\_\_.

Ans  1.

major calyx → minor calyx → collecting duct → renal pelvis

 2.

renal pelvis → minor calyx → major calyx → collecting duct

 3.

collecting duct → major calyx → minor calyx → renal pelvis

 4.

collecting duct → minor calyx → major calyx → renal pelvis

Question Type : **MCQ**

Question ID : **37135114464**

Option 1 ID : **37135157854**

Option 2 ID : **37135157855**

Option 3 ID : **37135157856**

Option 4 ID : **37135157853**

Status : **Answered**

Chosen Option : **3**

Q.30 Identify the correct sequence of steps generally involved in decomposition process from the following.

Ans  1.

Fragmentation, leaching, catabolism, humification, mineralization

 2.

Fragmentation, catabolism, leaching, humification, mineralization

 3.

Fragmentation, leaching, humification, catabolism, mineralization

 4.

Fragmentation, catabolism, humification, leaching, mineralization

Question Type : **MCQ**

Question ID : **37135114447**

Option 1 ID : **37135157787**

Option 2 ID : **37135157786**

Option 3 ID : **37135157785**

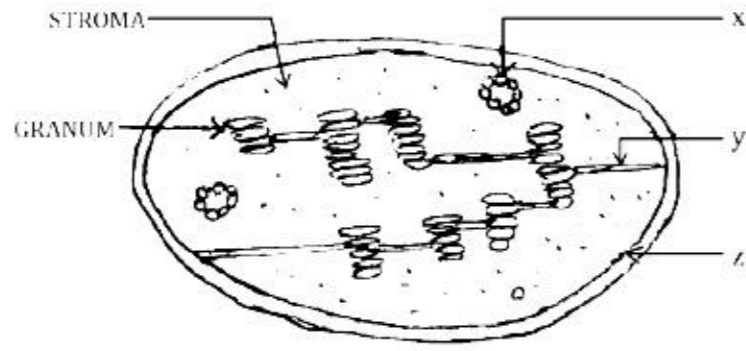
Option 4 ID : **37135157788**

Status : **Answered**

Chosen Option : **3**

Q.31

Identify the labels correctly in given diagram.



Ans

1.

x- DNA, y- inner membrane, z- stroma lamellae

2.

x- stroma lamellae, y- inner membrane, z- DNA

3.

x- DNA, y- stroma lamellae, z- inner membrane

4.

x-inner membrane, y- stroma lamellae, z- DNA

Question Type : **MCQ**

Question ID : **37135114439**

Option 1 ID : **37135157756**

Option 2 ID : **37135157754**

Option 3 ID : **37135157755**

Option 4 ID : **37135157753**

Status : **Answered**

Chosen Option : **3**

Q.32 The enzyme phospho-glycero mutase is involved in which of the following reactions of glycolysis?

Ans  1.

ATP-generation – I

2. ATP-generation – II

3. Dehydration

4. Isomerization

Question Type : MCQ

Question ID : 37135114449

Option 1 ID : 37135157793

Option 2 ID : 37135157796

Option 3 ID : 37135157794

Option 4 ID : 37135157795

Status : Answered

Chosen Option : 4

Q.33 Two pathways of photophosphorylation i.e cyclic and non-cyclic were suggested by \_\_\_\_\_.

Ans

1. Robert Hill

2. Dr. Calvin

3. Dr. Arnon

4. C. Van Neil

Question Type : MCQ

Question ID : 37135114420

Option 1 ID : 37135157677

Option 2 ID : 37135157679

Option 3 ID : 37135157678

Option 4 ID : 37135157680

Status : Answered

Chosen Option : 2



Q.34

Aspergillosis is \_\_\_\_\_ disease of poultry.

Ans

✓ 1.

fungus

✗ 2. bacterial

✗ 3. protozoan

✗ 4. viral

Question Type : MCQ

Question ID : 37135114496

Option 1 ID : 37135157983

Option 2 ID : 37135157984

Option 3 ID : 37135157982

Option 4 ID : 37135157981

Status : Answered

Chosen Option : 3



**Q.35** Identify A and B in the following statement.

During vaccine production, toxins are altered to obtain A which acts as an antigen and then mixed with B to improve immune response.

**Ans**  1.

**A- adjuvant, B- toxoid**

 2.

A- diluent, B- adjuvant

 3.

**A- toxoid, B- adjuvant**

 4.

A- toxoid, B- diluent

Question Type : **MCQ**

Question ID : **37135114474**

Option 1 ID : **37135157896**

Option 2 ID : **37135157893**

Option 3 ID : **37135157895**

Option 4 ID : **37135157894**

Status : **Answered**

Chosen Option : **3**

Q.36 ANF carries out following functions EXCEPT\_\_\_\_\_.

Ans  1.

vasodilation

2.

inhibition of renin-angiotensin mechanism

3.

vasoconstriction

4.

promotes sodium excretion

Question Type : MCQ

Question ID : 37135114495

Option 1 ID : 37135157978

Option 2 ID : 37135157979

Option 3 ID : 37135157977

Option 4 ID : 37135157980

Status : Answered

Chosen Option : 4

Q.37 Total how many ATP molecules are formed by substrate level phosphorylation in glycolysis?

Ans

1. 8 ATP

2. 4 ATP

3. 36 ATP

4. 2 ATP

Question Type : MCQ

Question ID : 37135114412

Option 1 ID : 37135157648

Option 2 ID : 37135157647

Option 3 ID : 37135157645

Option 4 ID : 37135157646

Status : Answered

Chosen Option : 2





Q.38

The nuclear size does NOT depend on \_\_\_\_\_.

Ans  1.

volume of the cell

2. shape of the cell

3.

amount of proteins

4.

amount of DNA

Question Type : MCQ

Question ID : 37135114487

Option 1 ID : 37135157945

Option 2 ID : 37135157948

Option 3 ID : 37135157947

Option 4 ID : 37135157946

Status : Answered

Chosen Option : 3

Q.39

Select the INCORRECT statement.

Ans  1.

Cardiac activity is regulated by autonomic nerves supply to SA node.

2.

Conducting gel is applied between electrodes and skin to detect tiny impulses in the record of electrocardiogram.

3.

QRS complex represents spreading of impulse from SA node to bundle of His, AV node and Purkinje fibres.

4.

Degeneration of heart muscles may result from factors such as malnutrition, chronic infection etc.

Question Type : MCQ

Question ID : 37135114490

Option 1 ID : 37135157960

Option 2 ID : 37135157959

Option 3 ID : 37135157957

Option 4 ID : 37135157958

Status : Answered

Chosen Option : 1

Q.40 In genetic engineering DNA ligase is used for \_\_\_\_\_.

Ans  1.

polymerase chain reaction.

2.

fragmentation of DNA.

3.

joining the desired gene into vector.

4.

reverse transcription.

Question Type : MCQ

Question ID : 37135114415

Option 1 ID : 37135157660

Option 2 ID : 37135157658

Option 3 ID : 37135157659

Option 4 ID : 37135157657

Status : Answered

Chosen Option : 1

Q.41 Who suggested the third kingdom Protista?

Ans  1.

R.H. Whittaker

2.

Carl Linnaeus

3.

Haeckel

4.

Carl Woese

Question Type : MCQ

Question ID : 37135114440

Option 1 ID : 37135157760

Option 2 ID : 37135157758

Option 3 ID : 37135157757

Option 4 ID : 37135157759

Status : Answered

Chosen Option : 2



Q.42 Which one of the following cross/es did Mendel perform?

Ans  1.

Both Monohybrid and dihybrid

2.

Monohybrid, dihybrid and trihybrid

3.

Monohybrid only

4.

Dihybrid only

Question Type : **MCQ**

Question ID : 37135114437

Option 1 ID : 37135157747

Option 2 ID : 37135157748

Option 3 ID : 37135157745

Option 4 ID : 37135157746

Status : **Answered**

Chosen Option : 1

Q.43 Which statement is correct regarding spinal nerves in man?

Ans  1.

They come out of vertebral column through foramen magnum.

2.

Each spinal nerve is formed within neural canal of vertebral column.

3.

There are 21 pairs of spinal nerves.

4.

They are sensory, motor and mixed types.

Question Type : **MCQ**

Question ID : 37135114468

Option 1 ID : 37135157872

Option 2 ID : 37135157871

Option 3 ID : 37135157869

Option 4 ID : 37135157870

Status : **Answered**

Chosen Option : 4



Q.44

Which one of the following is applicable for t-RNA?

Ans

✓ 1. Folded on itself

✗ 2. Self replicating

✗ 3.

Largest molecule

✗ 4.

Has two strands

Question Type : MCQ

Question ID : 37135114407

Option 1 ID : 37135157626

Option 2 ID : 37135157625

Option 3 ID : 37135157628

Option 4 ID : 37135157627

Status : Answered

Chosen Option : 1

Q.45

Goblet cell secretes\_\_\_\_\_.

Ans

✗ 1. oil

✓ 2. mucous

✗ 3. enzymes

✗ 4. hormones

Question Type : MCQ

Question ID : 37135114480

Option 1 ID : 37135157917

Option 2 ID : 37135157918

Option 3 ID : 37135157920

Option 4 ID : 37135157919

Status : Answered

Chosen Option : 3

Q.46 The increase in density of a population depends upon \_\_\_\_\_.

Ans

1. high mortality

2. high natality

3. low emigration

4. high emigration

Question Type : MCQ

Question ID : 37135114489

Option 1 ID : 37135157954

Option 2 ID : 37135157953

Option 3 ID : 37135157956

Option 4 ID : 37135157955

Status : Answered

Chosen Option : 2

Q.47 Farmers have to buy hybrid seeds every year because the characters segregate in the progeny of seeds collected from hybrids. If these hybrids are made to produce \_\_\_\_\_ seeds, then there will be no segregation of characters.

Ans

1. apomictic

2. dicotyledonous hybrid

3.  
monocotyledonous hybrid

4. polyembryonic

Question Type : MCQ

Question ID : 37135114433

Option 1 ID : 37135157730

Option 2 ID : 37135157732

Option 3 ID : 37135157731

Option 4 ID : 37135157729

Status : Answered

Chosen Option : 2



Q.48 Water potential of pure water at normal temperature and pressure is \_\_\_\_\_.

Ans

✓ 1. zero

✗ 2.

always more than one

✗ 3. one

✗ 4.

less than one

Question Type : MCQ

Question ID : 37135114443

Option 1 ID : 37135157771

Option 2 ID : 37135157772

Option 3 ID : 37135157770

Option 4 ID : 37135157769

Status : Answered

Chosen Option : 1

Q.49 \_\_\_\_\_ carries the message for formation of polypeptide chain.

Ans

✗ 1. r-RNA

✗ 2. r-DNA

✓ 3. m-RNA

✗ 4. t-RNA

Question Type : MCQ

Question ID : 37135114426

Option 1 ID : 37135157701

Option 2 ID : 37135157704

Option 3 ID : 37135157703

Option 4 ID : 37135157702

Status : Answered

Chosen Option : 3

Q.50 When pulses, which are the rich sources of proteins, are used as respiratory substrate then RQ obtained is \_\_\_\_\_.

Ans

✗ 1. infinity

✗ 2. more than one

✗ 3. one

✓ 4. less than one

Question Type : MCQ

Question ID : 37135114405

Option 1 ID : 37135157620

Option 2 ID : 37135157618

Option 3 ID : 37135157617

Option 4 ID : 37135157619

Status : Answered

Chosen Option : 3

Q.51 Mark the correct sequence of the layers of testis from inner to outer side.

Ans

✗ 1.

Tunica vaginalis → Tunica albuginea → Tunica vascularis

✗ 2.

Tunica vascularis → Tunica vaginalis → Tunica albuginea

✗ 3.

Tunica vaginalis → Tunica vascularis → Tunica albuginea

✓ 4.

Tunica albuginea → Tunica vascularis → Tunica vaginalis

Question Type : MCQ

Question ID : 37135114485

Option 1 ID : 37135157937

Option 2 ID : 37135157939

Option 3 ID : 37135157940

Option 4 ID : 37135157938

Status : Answered

Chosen Option : 4

Q.52 Which one of the following carbohydrates is insoluble in water?

Ans

✓ 1. Cellulose

✗ 2. Glucose

✗ 3. Lactose

✗ 4. Fructose

Question Type : MCQ

Question ID : 37135114445

Option 1 ID : 37135157780

Option 2 ID : 37135157777

Option 3 ID : 37135157779

Option 4 ID : 37135157778

Status : Answered

Chosen Option : 1

Q.53 The process in which sample DNA and probe DNA form double stranded DNA is called \_\_\_\_\_.

Ans ✗ 1.

electrophoresis

✗ 2. restriction digestion

✓ 3. hybridization

✗ 4.

amplification

Question Type : MCQ

Question ID : 37135114488

Option 1 ID : 37135157950

Option 2 ID : 37135157949

Option 3 ID : 37135157952

Option 4 ID : 37135157951

Status : Answered

Chosen Option : 3

**Q.54** In a cross between tall pea plant with axial flowers and dwarf with terminal flowers following number of pea plants were obtained in the  $F_2$  generation.

Tall with axial flowers = 315

Tall with terminal flowers = 108

Dwarf with axial flowers = 101

Dwarf with terminal flowers = 32

Which cross does it represent?

**Ans**

1. Test

2. Trihybrid

3. Dihybrid

4. Monohybrid

Question Type : **MCQ**

Question ID : **37135114416**

Option 1 ID : **37135157664**

Option 2 ID : **37135157663**

Option 3 ID : **37135157662**

Option 4 ID : **37135157661**

Status : **Answered**

Chosen Option : **2**



Q.55


Which one of the following is a bacterial herbicide?

Ans  1.

*Alternaria crassa*

 2.

*Xanthomonas sp.*

 3. *Fusarium sp.*

 4.

*Bacillus thuringiensis*

Question Type : MCQ

Question ID : 37135114404

Option 1 ID : 37135157615

Option 2 ID : 37135157613

Option 3 ID : 37135157616

Option 4 ID : 37135157614

Status : Answered

Chosen Option : 4



Q.56

Which one of the following describes best about co-dominance of alleles?

Ans

1.

one is recessive

2.

both are dominant

3.

one is dominant

4.

both are recessive

Question Type : **MCQ**

Question ID : **37135114406**

Option 1 ID : **37135157622**

Option 2 ID : **37135157623**

Option 3 ID : **37135157621**

Option 4 ID : **37135157624**

Status : **Answered**

Chosen Option : **2**

Q.57 The first decarboxylation reaction during Krebs cycle occurs in which of the following intermediates.

Ans

1. Isocitrate

2. Succinate

3.

Oxalosuccinate

4.

$\alpha$  - ketoglutarate

Question Type : MCQ

Question ID : 37135114423

Option 1 ID : 37135157691

Option 2 ID : 37135157692

Option 3 ID : 37135157689

Option 4 ID : 37135157690

Status : Answered

Chosen Option : 3

Q.58 Dwarfism in childhood, such as Frohlic and Lorain dwarfs in humans, develop due to \_\_\_\_\_.

Ans  1.

hyposecretion of somatotropin

2.

hyposecretion of thyrotropin

3.

hypersecretion of thymosin

4.

hypersecretion of secretin

Question Type : MCQ

Question ID : 37135114460

Option 1 ID : 37135157838

Option 2 ID : 37135157837

Option 3 ID : 37135157839

Option 4 ID : 37135157840

Status : Answered

Chosen Option : 2

Q.59 In which lichen, rhizines are used for attachment with the substratum?

Ans

1. Crustose

2. Foliose

3. Shrubby

4. Fruticose

Question Type : MCQ

Question ID : 37135114448

Option 1 ID : 37135157789

Option 2 ID : 37135157790

Option 3 ID : 37135157792

Option 4 ID : 37135157791

Status : Answered

Chosen Option : 4

Q.60 Which one of the following is NOT a tool in recombinant DNA technology?


Ans  1.

Restriction endonuclease

 2.

Prokaryotic nucleoid

 3. Vector

 4. Reverse transcription

Question Type : MCQ

Question ID : 37135114444

Option 1 ID : 37135157773

Option 2 ID : 37135157776

Option 3 ID : 37135157775

Option 4 ID : 37135157774

Status : Answered

Chosen Option : 2



Q.61 In human beings, the largest cell formed during oogenesis is \_\_\_\_\_.

Ans  1.

secondary oocyte

2. 1<sup>st</sup> polar body

3. primordial cell

4.

oogonium

Question Type : MCQ

Question ID : 37135114458

Option 1 ID : 37135157832

Option 2 ID : 37135157831

Option 3 ID : 37135157830

Option 4 ID : 37135157829

Status : Answered

Chosen Option : 1

Q.62 The sum total of all populations in given habitat is called\_\_\_\_\_.

Ans

1. community

2. biome

3. biomass

4. ecosystem

Question Type : MCQ

Question ID : 37135114442

Option 1 ID : 37135157766

Option 2 ID : 37135157767

Option 3 ID : 37135157768

Option 4 ID : 37135157765

Status : Answered

Chosen Option : 1



Q.63 The corpuscles which form maximum number in normal total blood count are\_\_\_\_\_.

Ans  1.

erythrocytes

2. eosinophils

3. lymphocytes

4. thrombocytes

Question Type : MCQ

Question ID : 37135114455

Option 1 ID : 37135157820

Option 2 ID : 37135157819

Option 3 ID : 37135157818

Option 4 ID : 37135157817

Status : Answered

Chosen Option : 3

Q.64 Select the INCORRECT statement.

Ans  1.

Haemophilia is caused due to deficiency of VIII and IX clotting factor.

2.

Gene for normal clotting is present on non-homologous region of X chromosome.

3.

In haemophilia, RBCs are sickle shaped.

4.

Carrier female for haemophilia has one recessive gene on X chromosome.

Question Type : MCQ

Question ID : 37135114476

Option 1 ID : 37135157901

Option 2 ID : 37135157902

Option 3 ID : 37135157904

Option 4 ID : 37135157903

Status : Answered

Chosen Option : 3

Q.65 During photorespiration oxidation of RUBP by  $O_2$  takes place when \_\_\_\_\_.

Ans  1.

temperature is high, light intensity is high and  $CO_2$  conc. is low.

2.

temperature is low, light intensity is low and  $CO_2$  conc. is low.

3.

temperature is low, light intensity is high and  $CO_2$  conc. is low.

4.

temperature is high, light intensity is high and  $CO_2$  conc. is high.

Question Type : MCQ

Question ID : 37135114413

Option 1 ID : 37135157652

Option 2 ID : 37135157650

Option 3 ID : 37135157651

Option 4 ID : 37135157649

Status : Answered

Chosen Option : 1

Q.66 In somatic reflexes, the effectors are located in \_\_\_\_\_.

Ans

1. skin

2. glands

3. smooth muscles

4. skeletal muscles

Question Type : MCQ

Question ID : 37135114472

Option 1 ID : 37135157888

Option 2 ID : 37135157885

Option 3 ID : 37135157886

Option 4 ID : 37135157887

Status : Answered

Chosen Option : 3

Q.67 Fertilization process in human beings is specifically due to \_\_\_\_\_.

Ans  1.

the simultaneous gametogenesis.

2.

the same size of gametes.

3.

the fertilizin - antifertilizin reaction.

4.

large sized ovum and small sized sperm.

Question Type : MCQ

Question ID : 37135114482

Option 1 ID : 37135157928

Option 2 ID : 37135157926

Option 3 ID : 37135157927

Option 4 ID : 37135157925

Status : Answered

Chosen Option : 3

Q.68 Presence of coenocytic hyphae and endogenous asexual spores is a characteristic of \_\_\_\_\_.

Ans

1. Ascomycetes

2.

Phycomycetes

3. Deuteromycetes

4.

Basidiomycetes

Question Type : MCQ

Question ID : 37135114418

Option 1 ID : 37135157672

Option 2 ID : 37135157669

Option 3 ID : 37135157671

Option 4 ID : 37135157670

Status : Answered

Chosen Option : 4



Q.69 Which one of the following is the major reservoir of carbon?

Ans

✓ 1. Ocean

✗ 2.

Detritus in soil

✗ 3.

Plants and Animals

✗ 4. Atmosphere

Question Type : MCQ

Question ID : 37135114436

Option 1 ID : 37135157742

Option 2 ID : 37135157744

Option 3 ID : 37135157743

Option 4 ID : 37135157741

Status : Answered

Chosen Option : 4

Q.70 Which one of the following is oldest fossil record in origin of both ape and man?

Ans

✗ 1. *Ramapithecus*

✓ 2. *Propliopithecus*

✗ 3. *Kenyapithecus*

✗ 4.

*Dryopithecus*

Question Type : MCQ

Question ID : 37135114454

Option 1 ID : 37135157815

Option 2 ID : 37135157814

Option 3 ID : 37135157816

Option 4 ID : 37135157813

Status : Answered

Chosen Option : 1

Q.71 Which of the following is NOT a nutrient in the blood plasma?

Ans

- 1. Glycine
- 2. Creatinine
- 3. Fatty acid
- 4. Glucose

Question Type : MCQ  
Question ID : 37135114469  
Option 1 ID : 37135157873  
Option 2 ID : 37135157874  
Option 3 ID : 37135157875  
Option 4 ID : 37135157876  
Status : Answered  
Chosen Option : 1

Q.72 In heterozygous condition both the alleles are expressed in \_\_\_\_\_.

Ans

- 1. diabetes
- 2. AB blood group
- 3. colour blindness
- 4. haemophilia

Question Type : MCQ  
Question ID : 37135114427  
Option 1 ID : 37135157708  
Option 2 ID : 37135157707  
Option 3 ID : 37135157705  
Option 4 ID : 37135157706  
Status : Answered  
Chosen Option : 2



Q.73 In the nomenclature of restriction endonuclease it is essential to refer name of the\_\_\_\_\_.

Ans

1. place

2. bacterium

3. author

4. procedure of its naming

Question Type : MCQ

Question ID : 37135114432

Option 1 ID : 37135157727

Option 2 ID : 37135157725

Option 3 ID : 37135157726

Option 4 ID : 37135157728

Status : Answered

Chosen Option : 3

Q.74 Injury to medulla oblongata causes sudden death mainly as \_\_\_\_\_.

Ans

1.

reflex activities like swallowing, vomiting etc. stop.

2.

vital activities such as heart beat and respiration stop.

3.

secretion of cerebrospinal fluid completely stops.

4.

both anterior and posterior choroid plexuses are damaged.

Question Type : MCQ

Question ID : 37135114451

Option 1 ID : 37135157801

Option 2 ID : 37135157804

Option 3 ID : 37135157802

Option 4 ID : 37135157803

Status : Answered

Chosen Option : 2

Q.75 Rice variety with five times more \_\_\_\_\_ has been developed.

Ans

1. tryptophan

2. vitamin B<sub>12</sub>

3. iron

4. protein

Question Type : MCQ

Question ID : 37135114421

Option 1 ID : 37135157681

Option 2 ID : 37135157683

Option 3 ID : 37135157684

Option 4 ID : 37135157682

Status : Answered

Chosen Option : 4

Q.76 How many among the sixty four offsprings produced in F<sub>2</sub> generation of a cross between pure black parent and pure white parent for human skin colour will be mulattoes?

Ans

1. One

2. Six

3. Twenty

4. Fifteen

Question Type : MCQ

Question ID : 37135114431

Option 1 ID : 37135157721

Option 2 ID : 37135157722

Option 3 ID : 37135157724

Option 4 ID : 37135157723

Status : Answered

Chosen Option : 2

Q.77

Sex chromosomes of male bird are\_\_\_\_\_.

Ans

1. XY

2. ZW

3. XX

4. ZZ

Question Type : MCQ

Question ID : 37135114467

Option 1 ID : 37135157866

Option 2 ID : 37135157868

Option 3 ID : 37135157865

Option 4 ID : 37135157867

Status : Answered

Chosen Option : 4

Q.78

The site for glycolysis in a cell is\_\_\_\_\_.

Ans

1. Golgi body

2.

mitochondria

3. chloroplast

4. cytoplasm

Question Type : MCQ

Question ID : 37135114425

Option 1 ID : 37135157700

Option 2 ID : 37135157697

Option 3 ID : 37135157698

Option 4 ID : 37135157699

Status : Answered

Chosen Option : 2



Q.79 Small inconspicuous flowers without bright colours but with versatile and exposed anthers are characteristic of \_\_\_\_\_.

Ans

- 1. ornithophily
- 2. entomophily
- 3. anemophily
- 4. chiropterophily

Question Type : MCQ  
Question ID : 37135114408  
Option 1 ID : 37135157631  
Option 2 ID : 37135157630  
Option 3 ID : 37135157629  
Option 4 ID : 37135157632  
Status : Answered  
Chosen Option : 4

Q.80 Which one of the following is an example of predation?

Ans

- 1. Remora – shark
- 2. Whale – barnacle
- 3. Orchid – tree
- 4. Tiger – deer

Question Type : MCQ  
Question ID : 37135114456  
Option 1 ID : 37135157822  
Option 2 ID : 37135157824  
Option 3 ID : 37135157821  
Option 4 ID : 37135157823  
Status : Answered  
Chosen Option : 4

**Q.81** A flower with five stamens bearing ditheous anthers has produced total 2560 male gametes. What would be the number of pollen mother cell per microsporangium in this flower?

**Ans**

1. 128

2. 64

3. 32

4. 16

Question Type : **MCQ**

Question ID : **37135114429**

Option 1 ID : **37135157716**

Option 2 ID : **37135157715**

Option 3 ID : **37135157714**

Option 4 ID : **37135157713**

Status : **Answered**

Chosen Option : **3**

**Q.82** Which of the following does not take place during expiration?

**Ans**  1.

Diaphragm becomes dome-shaped.

2.

Lungs undergo compression to release the air out.

3.

Volume of the thoracic cavity increases.

4.

Ribs are pulled inwards.

Question Type : **MCQ**

Question ID : **37135114453**

Option 1 ID : **37135157809**

Option 2 ID : **37135157812**

Option 3 ID : **37135157811**

Option 4 ID : **37135157810**

Status : **Answered**

Chosen Option : **3**



Q.83

Select the correct statement.

Ans

1.

Fossils of primitive forms of organisms occupy upper layers of the earth during fossilization.

2.

Fossils help in understanding the habit of extinct animals.

3.

Actual remains of fossils are generally formed on land.

4.

Moulds are the most common type of fossils.

Question Type : MCQ

Question ID : 37135114499

Option 1 ID : 37135157995

Option 2 ID : 37135157993

Option 3 ID : 37135157996

Option 4 ID : 37135157994

Status : Answered

Chosen Option : 2

Q.84

A two years old malnourished child is under weight, shows stunted growth, anaemia, protruding belly and oedema of lower legs. He is probably suffering from \_\_\_\_\_ disease.

Ans

1. Jaundice

2.

Kwashiorkor

3. Marasmus

4. Constipation

Question Type : MCQ

Question ID : 37135114491

Option 1 ID : 37135157964

Option 2 ID : 37135157961

Option 3 ID : 37135157962

Option 4 ID : 37135157963

Status : Answered

Chosen Option : 1

Q.85 Menstrual cycle is found in \_\_\_\_\_.

Ans  1.

monkeys, apes and human beings.

2. monkeys and apes.

3.

apes and human beings.

4.

only human beings.

Question Type : MCQ

Question ID : 37135114452

Option 1 ID : 37135157808

Option 2 ID : 37135157805

Option 3 ID : 37135157807

Option 4 ID : 37135157806

Status : Answered

Chosen Option : 4

Q.86 Reptiles were dominant during \_\_\_\_\_ period.

Ans

1. Triassic

2. Jurassic

3.

Cretaceous

4. Tertiary

Question Type : MCQ

Question ID : 37135114465

Option 1 ID : 37135157859

Option 2 ID : 37135157858

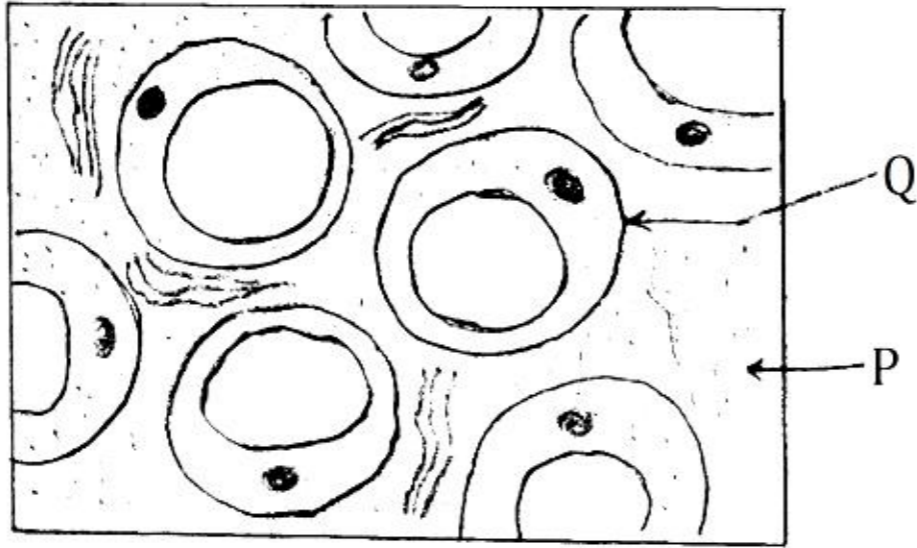
Option 3 ID : 37135157857

Option 4 ID : 37135157860

Status : Answered

Chosen Option : 2

Q.87



In the above diagram, what do the P and Q indicate?

Ans **X** 1.

P- Medulla;                      Q – Macrophage

**X** 2.

P- Cytoplasm;                  Q – Fibroblast

**X** 3.

P- Matrix;                      Q – Mast cell

**✓** 4.

P-Matrix;                      Q – Adipocyte

Question Type : **MCQ**

Question ID : **37135114494**

Option 1 ID : **37135157975**

Option 2 ID : **37135157973**

Option 3 ID : **37135157974**

Option 4 ID : **37135157976**

Status : **Answered**

Chosen Option : **4**



Q.88 Lysergic acid diethyl amide (LSD) is obtained from \_\_\_\_\_.

Ans  1.

inflorescence of *Cannabis*

2.

latex of poppy plant

3.

leaves of *Datura* plant

4. ergot fungus

Question Type : MCQ

Question ID : 37135114461

Option 1 ID : 37135157844

Option 2 ID : 37135157841

Option 3 ID : 37135157842

Option 4 ID : 37135157843

Status : Answered

Chosen Option : 3

Q.89 The bad taste in monarch butterfly develops \_\_\_\_\_.

Ans  1.

while pupating

2. in adult stage

3.

during egg laying

4. in larval stage

Question Type : MCQ

Question ID : 37135114484

Option 1 ID : 37135157935

Option 2 ID : 37135157936

Option 3 ID : 37135157933

Option 4 ID : 37135157934

Status : Answered

Chosen Option : 4



Q.90 Which one of the following is correct for DNA?

Ans

✗ 1.  $A + T = G + C$

✗ 2.  $A - T = G - C$

✗ 3.  $A + C = G + T$

✓ 4.

$A + G = T + C$

Question Type : MCQ

Question ID : 37135114410

Option 1 ID : 37135157637

Option 2 ID : 37135157638

Option 3 ID : 37135157640

Option 4 ID : 37135157639

Status : Answered

Chosen Option : 4

Q.91 Which of the following is NOT the significance of vegetative propagation?

Ans ✓ 1.

Variations are caused, which help in evolution.

✗ 2.

The yield of plant can be increased by grafting.

✗ 3.

Production of clones of economically useful and rare plants.

✗ 4.

Easy and cheaper method of multiplication.

Question Type : MCQ

Question ID : 37135114438

Option 1 ID : 37135157751

Option 2 ID : 37135157750

Option 3 ID : 37135157749

Option 4 ID : 37135157752

Status : Answered

Chosen Option : 1



Q.92 Select the correct match.

Lymphocyte : antibodies :: Basophil : \_\_\_\_\_.

Ans

✓ 1. heparin

✗ 2.

fibrin

✗ 3. globulin

✗ 4.

anti-histamine

Question Type : MCQ

Question ID : 37135114481

Option 1 ID : 37135157923

Option 2 ID : 37135157921

Option 3 ID : 37135157924

Option 4 ID : 37135157922

Status : Answered

Chosen Option : 4

Q.93 A thin delicate membrane surrounding the axon is \_\_\_\_\_.

Ans

✓ 1. neurilemma

✗ 2. sarcolemma

✗ 3. chromonema

✗ 4. nucleolonema

Question Type : MCQ

Question ID : 37135114459

Option 1 ID : 37135157834

Option 2 ID : 37135157833

Option 3 ID : 37135157836

Option 4 ID : 37135157835

Status : Answered

Chosen Option : 3



Q.94 Important role played by factors R<sub>1</sub>, R<sub>2</sub> and S during protein synthesis is \_\_\_\_\_.

Ans  1.

formation of amino acid t-RNA complex

2.

release of polypeptide chain

3.

initiation of transcription

4.

linking codon with anticodon

Question Type : MCQ

Question ID : 37135114417

Option 1 ID : 37135157667

Option 2 ID : 37135157666

Option 3 ID : 37135157665

Option 4 ID : 37135157668

Status : Answered

Chosen Option : 3

Q.95 The length of DNA segment having 44 base pairs is \_\_\_\_\_.

Ans

1. 149.2 A°

2. 149.3 A°

3. 149.4 A°

4. 149.6 A°

Question Type : MCQ

Question ID : 37135114434

Option 1 ID : 37135157736

Option 2 ID : 37135157735

Option 3 ID : 37135157734

Option 4 ID : 37135157733

Status : Answered

Chosen Option : 3

Q.96 The boll worms attack \_\_\_\_\_.

Ans

1. maize

2.

rice

3. okra

4. cotton

Question Type : MCQ

Question ID : 37135114414

Option 1 ID : 37135157653

Option 2 ID : 37135157654

Option 3 ID : 37135157655

Option 4 ID : 37135157656

Status : Answered

Chosen Option : 4

Q.97 Which one of the following is NOT related to the entry of a pollen tube in an ovule?

Ans

1. Chalazogamy

2. Siphonogamy

3. Mesogamy

4. Porogamy

Question Type : MCQ

Question ID : 37135114424

Option 1 ID : 37135157696

Option 2 ID : 37135157694

Option 3 ID : 37135157695

Option 4 ID : 37135157693

Status : Answered

Chosen Option : 4

Q.98 Match Column - I with Column - II and select the correct option.

Column - I	Column - II
a) outer integument	i) entry of pollen tube
b) synergids	ii) secondary nucleus
c) antipodals	iii) testa
d) polar nuclei	iv) accessory cells

Ans

<del>1.</del>				
a-iii,	b-i,	c-ii,	d-iv	
✓ 2.				
a-iii,	b-i,	c-iv,	d-ii	
<del>3.</del>				
a-iii,	b-ii,	c-iv,	d-i	
<del>4.</del>				
a-i,	b-ii,	c-iii,	d-iv	

Question Type : MCQ

Question ID : 37135114411

Option 1 ID : 37135157642

Option 2 ID : 37135157641

Option 3 ID : 37135157643

Option 4 ID : 37135157644

Status : Answered

Chosen Option : 2



Q.99

Liver is located on \_\_\_\_\_ in the human body.

Ans  1.

left side below stomach

 2.

right side below spleen

 3.

left side below kidney

 4.

right side below diaphragm

Question Type : **MCQ**

Question ID : **37135114498**

Option 1 ID : **37135157989**

Option 2 ID : **37135157992**

Option 3 ID : **37135157990**

Option 4 ID : **37135157991**

Status : **Answered**

Chosen Option : **4**



Q.100 Which of the following is regarded as the pregnancy hormone?

Ans

✗ 1. FSH

✗ 2. ACTH

✗ 3. Estrogen

✓ 4.

Progesterone

Question Type : MCQ

Question ID : 37135114466

Option 1 ID : 37135157864

Option 2 ID : 37135157863

Option 3 ID : 37135157862

Option 4 ID : 37135157861

Status : Answered

Chosen Option : 4