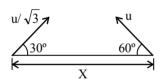
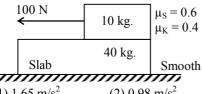
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- 0.1 The error in measurement of radius of a sphere is 0.1% then error in its volume is -
 - (1) 0.3% (2) 0.4% (3) 0.5% (4) 0.6%
- 0.2 A body starts falling from height 'h' and travels distance h/2 during last second of motion then time of flight is (In second) -
 - (1) $\sqrt{2} 1$
- (2) $2 + \sqrt{2}$
- (3) $\sqrt{2} + \sqrt{3}$ (4) $\sqrt{3} + 2$
- The K.E. of a person is just half of K.E. of a boy 0.3 whose mass is just half of that person. If person increases its speed by 1 m/s, then its K.E. equals to that of boy then initial speed of person was -
 - (1) $(\sqrt{2} + 1)$ m/s (2) $(2 + \sqrt{2})$ m/s
 - (3) $2(\sqrt{2} + 2)$ m/s (4) None
- 0.4 Two particles separated at a horizontal distance X as shown in fig. they projected at the same line as shown in fig. with different initial speeds. The time after which the horizontal distance between them become zero -

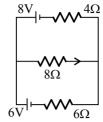


- (4) None of these
- **Q.5** For a particle displacement time relation is $t = \sqrt{x} + 3$. Its displacement when its velocity is zero -
 - (1) 2m
 - (2) 4m
 - (3)0
 - (4) None of these
- **Q.6** If 100N force is applied to 10 kg. block as shown in diagram then acceleration produced for slab -

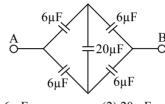


- (1) 1.65 m/s^2
- $(2) 0.98 \text{ m/s}^2$
- $(3) 1.2 \text{ m/s}^2$
- $(4) 0.25 \text{ m/s}^2$

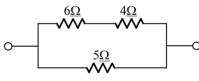
0.7 The current in 8Ω resistance is (See fig.)



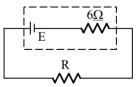
- (1) 0.69 A
- (2) 0.92 A
- (3) 1.30 A
- (4) 1.6 A
- The effective capacity of the network between **Q.8** terminals A and B is -



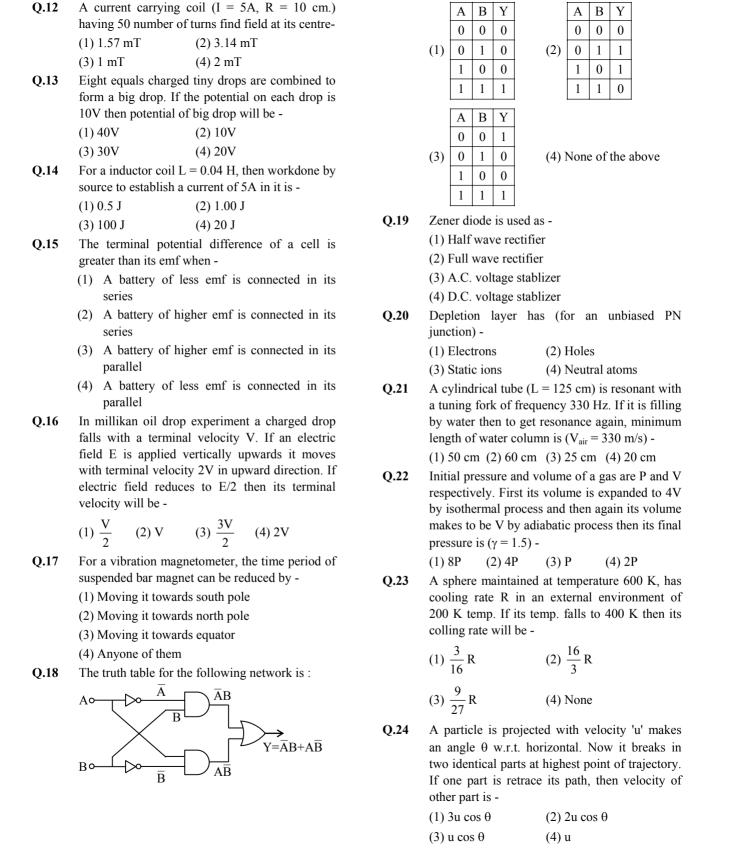
- (1) $6 \mu F$
- (2) $20 \mu F$
- (3) $3 \mu F$
- (4) $10 \mu F$
- If the power dissipated in 5Ω is 20 W then **Q.9** power dissipated in 4Ω is -

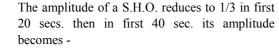


- (1) 4 W
- (2) 6 W
- (3) 10 W
- (4) 20 W
- The value of R for which power in it is 0.10maximum-



- $(1) 3\Omega$
- $(2) 6\Omega$
- (3) 12 Ω
- $(4) 9\Omega$
- Q.11 Initially plane of coil is parallel to the uniform magnetic field B. In time Δt it makes to perpendicular to the magnetic field, then charge flows in Δt depends on this time as -
 - $(1) \propto \Delta t$
- $(2) \propto \frac{1}{\Lambda t}$
- $(3) \propto (\Delta t)^0$
- $(4) \propto (\Delta t)^2$





- $(1) \frac{1}{3}$ (2) $\frac{1}{9}$
- $(4) \frac{1}{\sqrt{2}}$ $(3) \frac{1}{27}$
- Q.26 Two springs A and B $(K_A = 2 K_B)$ are stretched by same suspended weights then ratio of workdone in stretching is -
 - (1)1:2
 - (2) 2:1
 - (3)1:1

Q.25

- (4) 1 : 4
- Q.27 A spring elongated by length 'L' when a mass 'M' is suspended to it. Now a tiny mass 'm' is attached and then released, its time period of oscillation is -
 - $(1) 2\pi \sqrt{\frac{(M+m)\ell}{Mg}} \qquad (2) 2\pi \sqrt{\frac{m\ell}{Mg}}$
 - (3) $2\pi \sqrt{L/g}$ (4) $2\pi \sqrt{\frac{M\ell}{(m+M)g}}$
- Q.28 Frequency of simple pendulum in a free falling lift is -
 - (1) Zero
- (2) Infinite
- (3) Can't be say
- (4) Finite
- Q.29 The energy and capacity of a charged parallel plate capacitor are E and C respectively. Now a dielective slab of $\in_r = 6$ is inserted in it then energy and capacity becomes (Assuming charge on plates remains constant)
 - (1) 6E, 6C (2) E, C
 - (3) $\frac{E}{6}$,6C (4) E, 6C
- Q.30 The current conduction in a discharge tube is due
 - (1) Electrons only
 - (2) +ve ions and -ve ions
 - (3) –ve ions and electrons
 - (4) +ve ions, and electrons
- Q.31 A light of amplitude A and wavelength λ is incident on a metallic surface, then saturation current flows is proportional to (assume cut off wave length = λ_0) -
 - (1) A^2 , if $\lambda > \lambda_0$ (2) A^2 , if $\lambda < \lambda_0$
 - (3) A, if $\lambda > \lambda_0$
- (4) A, if $\lambda < \lambda_0$

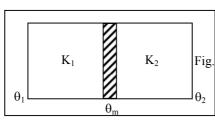
- Q.32 Light of wavelength 3000 Å in Photoelectric effect gives electron of max. K.E. 0.5 eV. If wavelength change to 2000 Å then max. K.E. of emitted electrons will be:
 - (1) Less than 0.5 eV
 - (2) 0.5 eV
 - (3) Greater than 0.5 eV
 - (4) PEE does not occurs
- Q.33 The K.E. of electron and photon is same then relation between their De-Broglie wavelength:
 - (1) $\lambda_{\rm p} < \lambda_{\rm e}$ (2) $\lambda_p = \lambda_e$
 - (3) $\lambda_{\rm p} > \lambda_{\rm e}$ (4) $\lambda_{\rm p} = 2\lambda_{\rm e}$
- 0.34 The total energy of an electron is 3.555 MeV, then its Kinetic energy is:
 - (1) 3.545 MeV (2) 3.045 MeV
 - (3) 3.5 MeV (4) None
- Q.35 Two identically charged particles A and B initially at rest, are accelerated by a common potential difference V. They enters into a transverse uniform magnetic field B. They

describe a circular path of radii r₁ and r₂

 $(1) \left(\frac{\mathbf{r}_1}{\mathbf{r}_2}\right)^2 \qquad (2) \left(\frac{\mathbf{r}_2}{\mathbf{r}_1}\right)^2$

respectively then their mass ratio is:

- $(3) \left(\frac{\mathbf{r}_1}{\mathbf{r}_2}\right) \qquad \qquad (4) \left(\frac{\mathbf{r}_2}{\mathbf{r}_2}\right)$
- 0.36 A radio-active elements emits one α and β particles then mass no. of daughter element is:
 - (1) Decreased by 4 (2) Increased by 4
 - (3) Decreased by 2 (4) Increased by 2
- Q.37 The half life of a radio nuclide is 77 days then its decay constant is:
 - (1) 0.003/day(2) 0.006/day
 - (3) 0.009/day (4) 0.012/day
- Q.38 For a prism its refractive index is cot A/2 then minimum angle of deviation is:
 - (1) 180 A
- (2) 180 2A
- (3) 90 A
- (4) A/2
- Q.39 Two conducting slabs of heat conductivity K_1 and K_2 are joined as shown in fig. The temp. at ends of the slabs are θ_1 and θ_2 ($\theta_1 > \theta_2$) the, final temp. (θ_m) of junction is :

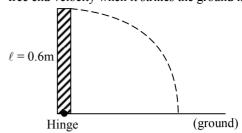


- (1) $\frac{K_1\theta_1 + K_2\theta_2}{K_1 + K_2}$ (2) $\frac{K_1\theta_2 + K_2\theta_1}{K_1 + K_2}$
- (3) $\frac{K_1 \theta_2 K_2 \theta_1}{K_1 + K_2}$ (4) None
- Q.40 A particle starts from rest with constant acceleration. The ratio of space-average velocity to the time average velocity is:
 - $(1) \frac{1}{2}$ $(2) \frac{3}{4}$ $(3) \frac{4}{3}$ $(4) \frac{3}{2}$

- Q.41 If radius of earth shrinks by 1% then for acceleration due to gravity:
 - (1) No change at poles
 - (2) No change at equator
 - (3) Max. change at equator
 - (4) Equal change at all locations
- 0.42 Rohini satellite is at a height of 500 km. and Insat-B is at a height of 3600 km. from surface of earth then relation between their orbital velocity (V_R,V_I) is:

- (1) $V_R > V_1$ (2) $V_R < V_1$ (3) $V_R = V_1$ (4) No relation
- 0.43 For moon, its mass is 1/81 of earth mass and its diameter is 1/3.7 of earth dia. If acceleration due to gravity at earth surface is 9.8 m/s² then at moon its value is:
 - $(1) 2.86 \text{ m/s}^2$
- $(2) 1.65 \text{ m/s}^2$
- $(3) 8.65 \text{ m/s}^2$
- $(4) 5.16 \text{ m/s}^2$
- **Q.44** When a spring is subjected to 4N force its length is a metre and if 5N is applied length is b metre. If 9N is applied its length is:
 - (1) 4b 3a
- (2) 5b a
- (3) 5b 4a
- (4) 5b 2a
- For a body angular velocity $\overset{\rightarrow}{\omega} = \hat{i} 2\hat{j} + 3\hat{k}$ Q.45 and radius vector is $\vec{r} = \hat{i} + \hat{j} + \hat{k}$ then its velocity is:
 - $(1) 5\hat{i} + 2\hat{i} + 3\hat{k}$ $(2) 5\hat{i} + 2\hat{i} 3\hat{k}$
 - $(3) 5\hat{i} 2\hat{j} + 3\hat{k}$ $(4) 5\hat{i} 2\hat{j} 3\hat{k}$

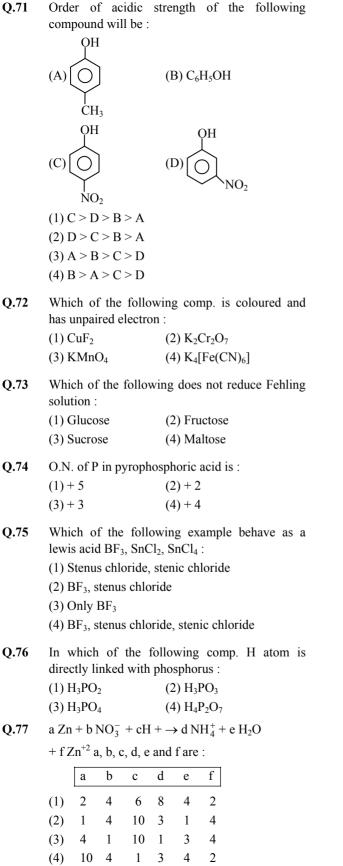
Q.46 When a stick is released (as shown in fig.). Its free end velocity when it strikes the ground is:



- (1) 4.2 m/s
- (2) 1.4 m/s
- (3) 2.8 m/s
- (4) $\sqrt{6}$ m/s
- 0.47 Frequency of an E.M. waves is 10 MHz then its wavelength is:
 - (1) 30 m
- (2) 300 m
- (3) 3 m
- (4) None of the above
- **O.48** Two particles are projected with same initial velocity one makes angle θ with horizontal while other makes an angle θ with vertical. If their common range is R then product of their time of flight is directly proportional to:
 - (1) R
- (2) R^2 (3) $\frac{1}{R}$ (4) R^0
- In compound microscope the magnification is Q.49 95, and the distance of object from objective lens 1/3.8 cm and focal length of objective is 1/4 cm. What is the magnification of eye pieces when final image is formed at least distance of distinct vision:
 - (1) 5
- (2) 10
- (3) 100
 - (4) None
- Q.50 On the basis of unit cell concept a crystal has:
 - (1) 7 systems
- (2) 14 systems
- (3) 230 systems
- (4) 32 systems
- Q.51 Phenyl acetylene reacts with dil. H₂SO₄ in presence of HgSO₄ gives:

- Q.52 According to hardy Schultze law the order of coagulation power of cations will be:
 - (1) $Na^+ > Ba^{+2} > Al^{+3}$ (2) $Al^{+3} > Ba^{+2} > Na^+$
 - (3) $Ba^{+2} > Al^{+3} > Na^{+}$ (4) $Al^{+3} > Na^{+} > Ba^{+2}$
- Which of the following compound gives p-Q.53 cresol with p-methyl diazonium chloride:
 - $(1) H_2O$
- (2) H₃PO₂
- (3) HCOOH
- $(4) C_6H_5OH$

Q.54	Mole ratio of H ₂ and O ₂ gas is 8 : 1 what will be	Q.63	Which of the following is a chiral compound:
	the ratio of wt.:	_	(1) 2-methyl pentanoic acid
	(1) 1 : 1 (2) 2 : 1		(2) 3-methyl pentanoic acid
	(3) 4:1 (4) 1:2		(3) 4-methyl pentanoic acid
Q.55	Ionization energy of second orbit of Li ⁺² will be:		(4) None of these
	(1) 122.4 eV (2) 40.8 eV	Q.64	Compound 'A' on chlorination gives compound
	(3) 30.6 eV (4) 13.6 eV	C	'B'. 'B' reacts with alc. KOH gives gas 'C', which
Q.56	Which of the following electronic configuration		decolourises Baeyer reagent and ozonolysis of
	will have maximum I.P. difference between II		compound 'C' gives only HCHO compound 'A'
	and III I.P.:		is:
	(1) 1s2 2s2 2p6 3s1 (2) 1s2 2s2 2p6 3s2		$(1) C_2 H_6 (2) C_2 H_4$
	(3) $1s^2 2s^2 2p^6$ (4) $1s^2 2s^2 2p^5$		(3) C_4H_{10} (4) C_2H_5Cl
Q.57	The concentration of a solution is changed from	Q.65	Monomer of natural rubber is:
	0.2 to 0.4, then what will be rate and rate		(1) $CH_3 - C = CH - CH_3$
	constant. The reaction is of first order and rate constant is $K = 1 \times 10^{-6}$:		CH ₃
	constant is $K = 1 \times 10^{-1}$. (1) 2×10^{-7} ; 1×10^{-6} (2) 1×10^{-7} ; 1×10^{6}		(2) CH ₃ -CH=CH-CH ₃
	(1) 2×10^{-7} ; 1×10^{-6} (2) 1×10^{-7} ; 1×10^{-3} (3) 4×10^{-7} ; 1×10^{-6} (4) 2×10^{-3} ; 1×10^{-3}		(3) $CH_2 = C - CH = CH_2$
Q.58	Half life of a radioactive sample is 4 days. After		CH ₃
	16 days how much quantity of matter remain		3
	undecayed:		(4) $CH_2 = C - C = CH_2$
	(1) $\frac{1}{4}$ (2) $\frac{1}{8}$ (3) $\frac{1}{16}$ (4) $\frac{1}{32}$		CH ₃ CH ₃
	(1) $\frac{1}{4}$ (2) $\frac{1}{8}$ (3) $\frac{1}{16}$ (4) $\frac{1}{32}$	Q.66	Which of the following compound contain zero
Q.59	Structure of trans 2-hexanal is:		oxidation state of Fe:
			(1) $[Fe(CN)_6]^{-4}$
	(1), CHO		(2) $[Fe(CN)_6]^{-3}$
	СНО		(3) Fe(CO) ₅
	(2)	0.4	(4) All the above
	СНО	Q.67	A compound contain C, H and O. If $C = 40\%$ and $H = 6.67\%$ then empirical formula of
	$(3) \bigvee$		compound will be:
	(4) None of the above		(1) CH_2O (2) CH_4O
0.40	White out on the state of the		(3) CH_4O_2 (4) CHO
Q.60	Which of the following gives ethyl benzene with	Q.68	$[Cu(NH_3)_4]^{+2}$ reacts with HNO ₃ in excess of
	phenyl methyl ketone : (1) Zn–Hg+HCl (2) LiAlH ₄	2	water gives :
	(1) Zn–Hg+HCl (2) LiAlH ₄ (3) KMnO ₄ (4) None of the above		(1) $Cu(OH)_2$ (2) $Cu(NO_3)_2$
0.61	Acetaldehyde reacts with semicarbazide product		(3) $Cu(H_2O)^{-2}$ (4) None of the above
Q.61	will be:	Q.69	Cr in [Cr(NH ₃) ₆] Br ₃ has number of unpaired
	(1) $CH_3CH = NNH-CO-NH_2$	Q.03	electron:
	(2) $CH_3CH = NCONHNH_2$		(1) 4 (2) 3
	(3) $CH_3CH = NHNH_2$		(3) 1 (4) 2
	-	~	
	O (4) CH ₃ -C-NH-CONH ₂	Q.70	Sucrose on hydrolysis gives:
Q.62	Cynohydrin of the following compound on		(1) L(+) Glucose + D(+) Fructose
Q.02	hydrolysis gives optically active product:		(2) L(-) Glucose + L(-) Fructose
	(1) HCHO (2) CH ₃ CHO		(3) D(+) Glucose + D(-) Fructose
	(3) CH ₃ COCH ₃ (4) All of the above		(4) D(+) Glucose + L(-) Fructose
	(3) C113COC113 (4) All 01 the above		



Determine the value of E⁰ cell for the following reaction: $Cu^{+2} + Sn^{+2} \rightarrow Cu + Sn^{+4}$ Equilibrium constant is 10⁶ $Cu^{++} + Sn^{++} \rightarrow Cu + Sn^{+4}$ (1) 0.1773(2) 0.01773(3) 0.2153(4) 1.773What will be the H⁺ con when 4 gm NaOH dissolved in 1000 ml. of water: $(1) 10^{-1}$ $(2)\ 10^{-13}$ $(3)\ 10^{-4}$ $(4)\ 10^{-10}$ What is true for a cyclic process: (1) W = 0(2) $\Delta E = 0$ (3) $\Delta H = 0$ (4) $\Delta E \neq 0$ Increasing order of bond length is: (1) $NO^- < NO < NO^+ < O_2^-$ (2) $O_2^- < NO < NO^- < NO^+$ (3) $O_2^- < NO^- < NO < NO^+$ (4) $NO^+ < NO < NO^- < O_2^-$ A system is expanded under adiabatic process: (1) Temp. increase (2) ΔE decreases (3) ΔE increases (4) None of these Which of the following is true for a reaction in which all the reactant & product are liquids: (1) $\Delta H = \Delta E$ (2) $\Delta H = \Delta W$ (3) $\Delta H > \Delta E$ (4) None of the above Clemenson's reaction is:

Q.78

O.79

Q.80

Q.81

O.82

Q.83

0.84

- (2) C_6H_5 -COC H_3 + NH_2NH_2 \rightarrow $\xrightarrow{C_2H_5ON} C_6H_5CH_2CH_3$
- (3) $CH_3COCH_3 + 4HI \xrightarrow{Red. P} CH_3CH_2CH_3$
- (4) All the above
- Q.85 Which of the following reaction gives by isocyanide:
 - (1) Rimer Tieman reaction
 - (2) Carbyl amine reaction
 - (3) Hoffmann bromamide reaction
 - (*)
 - (4) None of the above

Ny.O gases have same rate of diffusion: $(1) \ NO_2 \ NO_2 \ (2) \ CO_2 \ Ny.O \ (4) \ All}$ $(3) \ NO_2 \ NQ \ (4) \ All}$ Q.87 Compound 'A' in acidic medium does not give ppt with HyS but in NH ₄ OH medium gives a ppt comp.' A' is: $(1) \ FCU_1 \ (2) \ AlCL_1 \ (3) \ ZnCL_2 \ (4) \ SnCL_2$ Q.88 FeCr ₂ O ₂ reacts with Na ₂ CO ₃ gives the product: $(1) \ Na_2 \ CrO_1 \ (2) \ Na_2 \ Cr_2O_2 \ (3) \ Fe_O_1 \ (4) \ FeO \ (2) \ Na_2 \ Cr_2O_2 \ (3) \ Fe_O_1 \ (4) \ FeO \ (2) \ Na_2 \ Cr_2O_2 \ (3) \ Fe_O_1 \ (4) \ FeO \ (2) \ Na_2 \ Cr_2O_2 \ (3) \ Gas \ (3) \ Ooo \ (3) \ Ooo \ (4) \ Oo \ (3) \ Ooo \ (4) \ Oo \ (3) \ Ooo \ (4) \ Ooo \ (5) \ Ooo \ (6) \ Ooo \ (6) \ Ooo \ (7) \ Ooo \ $	Q.86	In a gaseous mixture which of NO ₂ , CO ₂ and		Q.98	The bombarment of α -particle on $_7N^{14}$, emits	
(1) NO₂, CO₂ (2) CO₂, N₂O (3) No, N₂O (4) All (3) No, N₂O (4) All (4) Ne (4) Ne (5) Compound Ya in acidic medium does not give ppt with H₂S but in NH₄OH medium gives a ppt comp. Ya' is: (1) FeCl₂ (2) AlCl₃ (3) ZnCl₂ (4) SnCl₂ (1) FeCl₂ (2) AlCl₃ (3) ZnCl₂ (4) SnCl₂ (1) Na₂CrO₂ (3) FeO₂(4) (4) FeO (4) Na₂CrO₂ (3) FeO₂(4) (4) FeO (4) Na₂CrO₂ (3) FeO₂(4) (4) FeO (5) A compound BA₂ has Ka₂ = 4 × 10⁻¹² solubility of this comp. will be: (1) 10⁻³ (2) 10⁻⁴ (3) 10⁻⁵ (4) 10⁻⁰ (2) 10⁻⁴ (3) 10⁻⁵ (4) 10⁻⁰ (2) 10⁻⁴ (4) ∇₂ (2) H₂O₂ on oxidation gives: (1) O⁻² (2) OH (3) O⁻₂ (4) O₂ (2) MgO and NaCl has similar structure. In MgO many subsensis surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 (2) 93 General behaviour olO₃ is: (1) Gives electrons (2) Gives O₂ (3) Reaction with H₂ (4) Accept electrons electrons (1) 30 (2) 4 (4) 32 (4) Solar cooker (4) Solar cooker (1) Solar cell (2) Energy plantation (3) Soil crossion (4) Destruction of natural habitats (2) Energy plantation (3) Soil crossion (4) Destruction of natural habitats (2) Gene library (3) Soil crossion (4) Destruction of natural habitats (2) Gene library (3) Systoring seeds (4) Cryopreservation (4) Progesterone (2) Cholesterole (3) ACTH (4) Adrenaline (2) The dipole moment of compound CD is 12.45 D. The bond				Ç		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(1) NO ₂ , CO ₂	$(2) CO_2, N_2O$		-	
Q.87 Compound 'A' in acidic medium does not give ppt with H ₂ S but in NiH ₂ OH medium gives a ppt comp. 'A' is: $(1) \operatorname{FeCl}_{1} (2) \operatorname{AlCl}_{2} (4) \operatorname{SnCl}_{2} (1) \operatorname{SeCl}_{2} (4) \operatorname{SnCl}_{2} (1) \operatorname{Ne}_{2}\operatorname{CO}_{2} (2) \operatorname{Ne}_{2}\operatorname{Cr}_{2}\operatorname{Or}_{2} (3) \operatorname{Fe}_{2}\operatorname{O}_{4} (4) \operatorname{FeO}_{4} (2) \operatorname{Na}_{2}\operatorname{Cr}_{2}\operatorname{Or}_{2} (3) \operatorname{Fe}_{2}\operatorname{O}_{4} (4) \operatorname{FeO}_{4} (2) \operatorname{Na}_{4}\operatorname{Cr}_{2}\operatorname{Or}_{2} (3) \operatorname{Ge}_{4} (4) \operatorname{FeO}_{4} (2) \operatorname{Or}_{4} (3) \operatorname{10}^{-6} (4) \operatorname{10}^{-6} (1) \operatorname{Or}_{2} (2) \operatorname{Or}_{4} (3) \operatorname{10}^{-5} (4) \operatorname{10}^{-6} (2) \operatorname{Or}_{4} (3) \operatorname{Or}_{2} (4) $		(3) NO_2 , N_2O	(4) All		. , .	(4) Ne
ppt with H ₂ S but in NH ₄ OH medium gives a ppt comp. 'A' is: (1) FeCl ₃ (2) AlCl ₃ (3) ZnCl ₂ (4) SnCl ₂ Q.88 FeCr ₂ O ₇ reacts with Na ₂ CO ₃ gives the product: (1) Na ₂ CrO ₄ (2) Na ₂ Cr ₂ O ₇ (3) Fe ₂ O ₄ (4) FeO Q.89 A compound BA ₂ has $K_{*p} = 4 \times 10^{-12}$ solubility of this comp. will be: (1) 10 ⁻³ (2) 10 ⁻⁴ (3) 10 ⁻⁵ (4) 10 ⁻⁶ Q.90 H ₂ O ₂ on oxidation gives: (1) 0 ⁻² (2) OH (3) 0 ⁻² (4) O ₂ Q.91 What is false for mole fraction: (1) $x < 1$ (2) $-2 \le x \le 2$ (3) $0 \le x \le 1$ (4) Always non-negative Q.92 MgO and NaCl has similar structure. In MgO magnesituem is surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 Q.93 General behaviour of O ₃ is: (1) Gives electrons (2) Gives O ₂ (3) Reaction with H ₂ (4) Accept electrons Q.94 How many ATP will be formed by oxidation of 1 mole glucose: (1) 36 (2) 40 (3) 24 (4) 32 Q.95 400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture: (1) 200 torr (3) 600 torr (4) 50 torr (3) 600 torr (3) 600 torr (3) 0.009 (4) 0.013 Number of base pairs in human chromosomes: (1) 3×10^{3} (2) 3×10^{7} (3) 6×10^{3} (4) 6×10^{7} (3) 6×10^{3} (4) 6×10^{7} (3) 6×10^{3} (4) 6×10^{7} (1) 7×10^{23} ton (2) 7×10^{13} ton (3)	Q.87	Compound 'A' in a	icidic medium does not give	Q.99		tance is 77 days then its decay
(1) FeCl ₃ (2) AlCl ₃ (3) 2 ACl ₂ (4) SnCl ₂ (3) 2 ACl ₂ (4) SnCl ₂ (1) Na ₂ Cr ₂ O ₃ gives the product : (1) Na ₂ Cr ₂ O ₄ (2) Na ₂ Cr ₂ O ₇ (3) Fe ₂ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) FeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) PeO (2) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₄ (4) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₇ (4) O ₇ (2) Na ₂ Cr ₂ O ₇ (3) Na ₂ Cr ₂ O ₇ (3) Fe ₃ O ₇ (4)		÷		_	•	
(3) $ZnCl_2$ (4) $SnCl_2$ (2) $SnzCl_2$ gives the product: (1) Na_2CrO_4 (2) Na_2CrO_7 (3) Fe_3O_4 (4) FeO (5) FeO (5) FeO (6) FeO (7) FeO (7) FeO (8) FeO (8) FeO (9) FeO (9) FeO (9) FeO (1) FeO (2) FeO (2) FeO (3) FeO (4) FeO (3) FeO (4) FeO (3) FeO (4) FeO (4) FeO (5) FeO (4) FeO (5) FeO (6) FeO (6) FeO (7) FeO (6) FeO (7) FeO (8) FeO (7) FeO (8) FeO (8) FeO (8) FeO (9) FeO (1) F		comp. 'A' is:			(1) 0.9	(2) 0.09
$ \begin{array}{c} \textbf{Q.88} & \text{FeCr}_2O_7\text{ reacts with Na}_2\text{CO}_3 \text{ gives the product}: \\ (1) \text{ Na}_2\text{CrO}_4 & (2) \text{ Na}_2\text{Cr}_2O_7 \\ (3) \text{ Fe}_5\text{O}_4 & (4) \text{ FeO} \\ \textbf{Q.89} & \text{A compound BA}_2 \text{ has } K_{sp} = 4 \times 10^{-12} \text{ solubility} \\ \text{of this comp. will be:} \\ (1) 10^{-3} & (2) 10^{-4} & (3) 10^{-5} & (4) 10^{-6} \\ \textbf{Q.90} & \text{H}_2O_2 \text{ on oxidation gives:} \\ (1) \text{ O}^{-2} & (2) \text{ OH}^- & (3) \text{ O}_2^- & (4) \text{ O}_2 \\ \textbf{Q.91} & \text{What is false for mole fraction:} \\ (1) x < 1 & (2) - 2 \le x \le 2 \\ (3) 0 \le x \le 1 & (4) \text{ Always non-negative} \\ \textbf{Q.92} & \text{MgO and NaCl has similar structure. In MgO magnesiuem is surrounded by how many oxygen atoms:} \\ (1) 1 2 & (2) 4 & (3) 6 & (4) 1 \\ \textbf{Q.93} & \text{General behaviour of O}_3 \text{ is:} \\ (1) 1 \text{ Gives electrons} & (2) \text{ Gives O}_2 \\ (3) \text{ Reaction with H}_2 & (4) \text{ Accept electrons} \\ \textbf{Q.94} & \text{How many ATP will be formed by oxidation of 1 mole glucose:} \\ (1) 2 3 6 00 \text{ torr} & (4) 32 \\ \textbf{Q.95} & \text{400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture:} \\ (1) 2 00 \text{ torr} & (4) 50 \text{ torr} \\ (3) 600 \text{ torr} & (4) \text{ Adrenaline} \\ \textbf{Q.96} & \text{Which of the following is steroid harmones:} \\ (1) \text{ Progesterone} & (2) \text{ Cholesterole} \\ (3) \text{ ACTH} & (4) \text{ Adrenaline} \\ \textbf{Q.97} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.97} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.98} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 \text{ D. The bond} \\ \textbf{D.99} & \text{The dipole moment of compound CD is } 12.45 D. The$		(1) FeCl ₃	(2) AlCl ₃		(3) 0.009	(4) 0.013
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(3) ZnCl ₂	$(4) SnCl_2$	Q.101	Number of base pa	airs in human chromosomes:
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Q.88	FeCr ₂ O ₇ reacts with	Na ₂ CO ₃ gives the product :		_	
Q.89 A compound BA₂ has K₃p = 4 × 10 ⁻¹² solubility of this comp. will be: (1) 10 ⁻³ (2) 10 ⁻⁴ (3) 10 ⁻⁵ (4) 10 ⁻⁶ Q.90 H₂O₂ on oxidation gives: (1) O ⁻² (2) OH ⁻ (3) O₂ (4) O₂ Q.91 What is false for mole fraction: (1) x < 1 (2) −2 ≤ x ≤ 2 (3) 0 ≤ x ≤ 1 (4) Always non-negative Q.92 MgO and NaCl has similar structure. In MgO magnesiuem is surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 Q.93 General behaviour of O₃ is: (1) Gives electrons (2) Gives O₂ (3) Reaction with H₂ (4) Accept electrons Q.94 How many ATP will be formed by oxidation of 1 mole glucose: (1) 36 (2) 40 (3) 24 (4) 32 Q.95 400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture: (1) 200 torr (2) 400 torr (3) 600 torr (4) 50 torr Q.96 Which of the following is steroid harmones: (1) Progesterone (2) Cholesterole (3) ACTH (4) Adrenaline Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond		$(1) Na_2CrO_4$	$(2) Na_2Cr_2O_7$		$(3) 6 \times 10^8$	(4) 6×10^7
 Q.89 A compound BA₂ has K_{sp} = 4 × 10⁻¹² solubility of this comp. will be: (1) 10⁻³ (2) 10⁻⁴ (3) 10⁻⁵ (4) 10⁻⁶ Q.90 H₂O₂ on oxidation gives: (1) O⁻² (2) OH⁻ (3) O⁻₂ (4) O₂ Q.91 What is false for mole fraction: (1) x < 1 (2) - 2 ≤ x ≤ 2 (3) 0 ≤ x ≤ 1 (4) Always non-negative Q.92 MgO and NaCl has similar structure. In MgO magnesiuem is surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 Q.93 General behaviour of O₃ is: (1) Gives electrons (2) Gives O₂ (3) Reaction with H₂ (4) Accept electrons Q.94 How many ATP will be formed by oxidation of 1 mole glucose: (1) 36 (2) 40 (3) 24 (4) 32 Q.95 400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture: (1) 200 torr (4) 50 torr Q.96 Which of the following is steroid harmones: (1) Progesterone (2) Cholesterole (3) ACTH (4) Adrenaline Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond Q.98 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond Q.99 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is 12.45 D. The bond Q.90 The dipole moment of compound CD is			` /	Q.102	Total amount of C	CO ₂ fixed annually by plants:
(1) 10 ⁻³ (2) 10 ⁻⁴ (3) 10 ⁻⁵ (4) 10 ⁻⁶ Q.90 H ₂ O ₂ on oxidation gives: (1) O ⁻² (2) OH ⁻ (3) O ₂ ⁻ (4) O ₂ Q.91 What is false for mole fraction: (1) x < 1 (2) −2 ≤ x ≤ 2 (3) 0 ≤ x ≤ 1 (4) Always non-negative Q.92 MgO and NaCl has similar structure. In MgO magnesiuem is surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 Q.93 General behaviour of O ₃ is: (1) Gives electrons (2) Gives O ₂ (3) Reaction with H ₂ (4) Accept electrons Q.94 How many ATP will be formed by oxidation of 1 mole glucose: (1) 36 (2) 40 (3) 24 (4) 32 Q.95 400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture: (1) 200 torr (2) 400 torr (3) 600 torr (4) 50 torr Q.96 Which of the following is steroid harmones: (1) Progesterone (2) Cholesterole (3) ACTH (4) 10 ⁻⁶ 100 ⁻⁶ (4) O ₂ (3) Best economic method to harvest the solar energy: (1) Solar cell (2) Energy plantation (3) Cultivation of sugar cane then energy obtain by burning it (4) Solar cooker Q.105 Main reason of disturbance of biological diversity: (1) Green house effect (2) Hunting (3) Soil erosion (4) Destruction of natural habitats (2) Gene library (3) By storing seeds (4) Cryopreservation Q.107 Practical purpose of taxonomy or classification: (1) Fracilitate the identification of unknown species (2) Explain the origin of organisms (3) To know the evolutionary history	Q.89			-		
 Q.90 H₂O₂ on oxidation gives: (1) O⁻² (2) OH (3) O₂ (4) O₂ (3) Bordeaux mixture (4) Azaderectnin Q.91 What is false for mole fraction: (1) x < 1 (2) - 2 ≤ x ≤ 2 (3) 0 ≤ x ≤ 1 (4) Always non-negative Q.92 MgO and NaCl has similar structure. In MgO magnesiuem is surrounded by how many oxygen atoms: (1) 2 (2) 4 (3) 6 (4) 1 Q.93 General behaviour of O₃ is: (1) Gives electrons (2) Gives O₂ (3) Reaction with H₂ (4) Accept electrons Q.94 How many ATP will be formed by oxidation of 1 mole glucose: (1) 36 (2) 40 (3) 24 (4) 32 Q.95 400 ml gas at 500 torr and 666.6 ml gas at 600 torr taken in a container of 3 litre then the total pressure of mixture: (1) 200 torr (2) 400 torr (3) 600 torr (4) 50 torr Q.96 Which of the following is steroid harmones: (1) Progesterone (2) Cholesterole (3) ACTH (4) Adrenaline Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond Hotos stable pessures (2) Organochlorines (3) Bordeaux mixture (4) Azaderectnin Q.104 Best economic method to harvest the solar energy: (1) Solar cell (2) Energy plantation (3) Cultivation of sugar cane then energy obtain by burning it (4) Solar cooker Q.105 Mois stable pessure in packet (1) Solar cell (2) Energy plantation (3) Cultivation of sugar cane then energy obtain by burning it (4) Solar cooker Q.106 Main reason of disturbance of biological diversity: (1) Green house effect (2) Hunting (3) Soil erosion (4) Destruction of natural habitats (2) Gene library (3) By storing seeds (4) Cryopreservation (1) By growing them in natural habitats (2) Gene library (3) By storing seeds (4) Cryopreservation (5) Facilitate the identification of unknown species (6) Energy plantation (7) Green house effect (8) Soil erosion <l< th=""><th></th><th>•</th><th></th><th></th><th>(3) 7×10^{10} ton</th><th>(4) 7×10^{11} ton</th></l<>		•			(3) 7×10^{10} ton	(4) 7×10^{11} ton
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 Q.96 Which of the following is steroid harmones: (1) Progesterone (2) Cholesterole (3) ACTH (4) Adrenaline Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond Q.107 Practical purpose of taxonomy or classification: (1) Facilitate the identification of unknown species (2) Explain the origin of organisms (3) To know the evolutionary history 		* *			- · · ·	
(1) Progesterone (2) Cholesterole (1) Facilitate the identification of unknown species (2) ACTH (4) Adrenaline species (2) Explain the origin of organisms and that of compound CD is 12.45 D. The bond (3) To know the evolutionary history	0.06	* *	` '	O 107		
(3) ACTH (4) Adrenaline species Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond (3) To know the evolutionary history	Q.90			Q.107		
Q.97 The dipole moment of compound AB is 10.92 D and that of compound CD is 12.45 D. The bond (2) Explain the origin of organisms (3) To know the evolutionary history			* /		()	c identification of unknown
and that of compound CD is 12.45 D. The bond (3) To know the evolutionary history	0.07	` /	` /		•	rigin of organisms
	Q.9 7				(3) To know the	evolutionary history
length AB is 2.72 A^0 and that of CD is 2.56 A^0 (4) Identification of medicinal plants					(4) Identification	of medicinal plants
then for these compound true statement is: Q.108 Koch's postulates not applicable to:				Q.108		=
(1) More ionic nature in AB (1) Mycobacterium leprae		_			=	
(2) More ionic nature in CD (2) Tuberculosis		` '			· · ·	
(3) Equal in both (3) Pneumonia		* *			` ′	
(4) Not predicted (4) Cholera					` '	

Q.109	Amount of cellular I	ONA increases during :	Q.121	Ornithophilly takes	place in :
	(1) Cytokinesis	(2) Fertilisation		(1) Yellow flower ha	aving nectaries
	(3) Mutation	(4) Respiration		(2) Scented flower	
Q.110	Initiation codon in en	ukaryotes :		(3) Flower with char	rming colour
	(1) UGA	(2) CCA		(4) Modified corolla	ı tube
	(3) AGA	(4) AUG	Q.122	Bhopal gas tragedy	is related with:
Q.111	Transition of exarch	bundles of root to endarch		(1) Methane	
	bundles of stem occu	ırs in :		(2) Carban mono ox	ride
	(1) Epicotyl	(2) Hypocotyl		(3) Methyl Iso cyana	ate (MIC)
	(3) Apical bud	(4) Coleoptile		(4) SO ₂	
Q.112		e development of corpus	Q.123	Concentration of DI	OT is highest in:
	Luteum:	(2)		(1) Primary consum	er
	(1) LH	(2) Oestrogen		(2) Producers	
	(3) FSH	(4) LTH		(3) Top consumer	
Q.113	Plant pathogenic bac	•		(4) Decomposers	
	(1) Gram + Non spor	=	Q.124		transferred to higher tropic
	(2) Gram – Non spor			level in food chain is	
	(3) Gram + spore for	· ·		(1) 1% (2) 10%	(3) 90% (4) 100%
0.114	(4) Gram (–) spore fo	=	Q.125	_	rs by changing one base in
Q.114	First transgenic plan			DNA:	
	(1) Potato	(2) Tomato		protein	nge of one amino acid in
0.115	(3) Tobacco	(4) Maize		•	plex sequence of amino acid
Q.115	Dolly sheep was obta	der cell (somatic cell) fused			ge in property of protein
	with unnucleate				sarily change the phenotype
	(2) Cloning of game		Q.126	HIV infects:	surify change the phonotype
	(3) Tissue culture		Q.1120	(1) RBC	(2) T – helper cells
	(4) None			(3) B - cells	(4) Basophils
Q.116	CCK and secretin se	creted by :	Q.127	· /	owing statement is true for
	(1) Stomach	(2) Ileum		bryophyta -	8
	(3) Duodenum	(4) Colon		(1) Along with w	vater absorption roots also
Q.117	Suspensory ligament			provide anchori	ment to plants
	(1) Brain	(2) Eyes		(2) Sporophyte is d	
	(3) Liver	(4) Pancrease			s dominant and sporophyte
Q.118	Life span of worker	honey bee :		is mostly parasi	
	(1) 30 days	(2) 15 days	0.120	(4) Gametophyte is	=
	(3) 90 days	(4) 10 days	Q.128	Lichens can be used	
Q.119	Para thormone defici	iency leads to:			r water and air pollution
	(1) Decrease of Ca ⁺²	level in blood		(2) Initial vegetation(3) Source of wood	1 for waste lands
	(2) Increase of Ca ⁺²	level in blood		(4) To check the air	nallution
	(3) Osteoporosis		Q.129	Biotic and abiotic co	=
	(4) Hypercalemia		Q.12)	(1) Community	(2) Society
Q.120	Gene composed of:			(3) Population	(4) Species
	(1) Amino acids	(2) Polynucleotide	Q.130	Endosperm in Gymr	· · · =
	(3) Fatty acid	(4) Nitrogen bases	2.100	(1) Polyploid	(2) Diploid
				(3) Triploid	(4) Haploid

Q.131	The plant having the largest flower is:	Q.141	Function of Nucleases:
	(1) Total stem parasite		(1) Break the polynucleotide chain by breaking
	(2) Epiphyte		the each terminal nucleotide
	(3) Total root parasite		(2) Breaks phosphodiester bond
	(4) Partial stem parasite		(3) Breaks peptide bonds
Q.132	Anabaena is associated with Azolla's:		(4) Breaks ester bonds
_	(1) Stem (2) Leaves	Q.142	What is phytotron:
	(3) Roots (4) Flowers		(1) A device to grow the plants in controlled
Q.133	The allele for tallness is dominant over that of		environment
	dwarfness. This is called:		(2) Growing plants in green house
	(1) Law of independent assortment		(3) Radiation chamber to induce the mutations
	(2) Law of segregation		(4) Apparatus to study the effect of light on
	(3) Law of unit character		plants
	(4) Law of dominance	Q.143	Species diversity is maximum in :
Q.134	Oxytocin mainly helps in:		(1) Tropical rain forest (2) Temperate forest
	(1) Milk production (2) Child birth		(3) Deserts (4) Hill slops
	(3) Diuresis (4) Gametogenesis	Q.144	Exponential growth is shown by:
Q.135	What ratio is expected in offsprings if father is		(1) Unicellular forms (2) A cell in tissue culture
	colour blind and mother's father was colour	0.14	(3) Embryo (4) Multicellular plants
	blind:	Q.145	Which of the following is secondary pollutant
	(1) 50% daughter – colour blind		(1) PAN (2) CO
	(2) All the sons are colour blind	0.146	(3) NO_2 (4) SO_2
	(3) All the daughters colour blind	Q.146	According to forestery commission report 1997 the total forest cover of India:
Q.136	(4) All the sons are normal When AABBcc is crossed with AaBbCc then the		(1) 11% (2) 19.5%
Q.130	ratio of hybrid for all the three genes is:		(3) 17% (2) 15.5% (4) 18.7%
	(1) 1/8 (2) 1/4	Q.147	During injury mast cells secrete:
	(3) 1/16 (4) 1/32	Q.1	(1) Histamine (2) Heparin
Q.137	Which hormone is concerned with the		(3) Prothrombin (4) Antibodies
	concentration of urine :	Q.148	Nitrogen fixing bacteria converts :
	(1) Oxytocin (2) Vassopressin		(1) $N_2 \rightarrow NH_3$ (2) $NH_4^+ \rightarrow Nitrates$
	(3) Prolactin (4) Cortisol		$(3) \text{ NO}_2 \rightarrow \text{NO}_3 \qquad (4) \text{ NO}_3 \rightarrow \text{N}_2$
Q.138	Ventricular contraction in command of:		
	(1) S.A. Node	Q.149	Insulin differs from Growth hormone in:
	(2) A.V. Node		(1) Increases activity of m-RNA and Ribosomes
	(3) Purkinje fibers		
	(4) Papillary muscles		(2) Increase the permeability of cell membrane(3) Affects metabolism of fats by inducing
Q.139	Which of the following does not contain metal:		lipogenesis
	(1) Glycoproteins		(4) Increasing protein synthesis
	(2) Ferritin		
	(3) Cytochromes	Q.150	Homologous organs are :
	(4) Chromoproteins		(1) Wings of cockroach and wings of bats
Q.140	Double unit membrane is absent in :		(2) Wings of insects and wings of birds
	(1) Ribosomes		(3) Air bladder of fishes and lungs of frog
	(2) Nucleus		(4) Pectoral fins of fishes and forelimbs of
	(3) Plastids		horse
	(4) E R		norse

Q.151	Which arrangement	is in correct ascending order:	Q.161	Which pair is of inse	ectivorous plants :
Q.131	(1) Species < genus	•		(1) Drosera and Vall	isneria
	(2) Genus < species	•		(2) Utricularia and H	Iydrilla
	(3) Order < family <	•		(3) Allobandra and U	Jtricularia
	(4) Species < genus			(4) Rafflesia and Dio	onea
Q.152	· / I	vsical and chemical digestion	Q.162	What shall be the w	ater potential of a root hair
Q.132	food is called:	sical and enemical digestion		cell absorbing water	from the soil :
	(1) Chyme	(2) Chyle		(1) Zero	(2) Less than zero
	(3) Amino acid	(4) Bolus		(3) More than zero	(4) Infinite
Q.153		bonates and chloride ions	Q.163	Deficiency of oxygen	n affects most the:
C :	between RBC and pl			(1) Brain	(2) Skin
	(1) Chloride shift			(3) Kidney	(4) Intestine
	(2) Bohr's effect		Q.164	Maximum DDT in b	irds feeding on :
	(3) Haldane's effect			(1) Fishes	(2) Meat
	(4) Intra cellular resp	oiration		(3) Insects	(4) Seeds
Q.154	Which gland decrea	ases in size with increasing	Q.165	Fully digested food r	reaches to liver by:
	age:			(1) Hepatic portal ve	in (2) Hepatic artery
	(1) Thyroid	(2) Adrenal		(3) Hepatic vein	(4) All the above
	(3) Thymus	(4) Pituitory	Q.166		baby is haemophilic while
Q.155		ing occurs in maximum			mal then which statement is
	concentration in bloc			true:	
	$(1) K^{+}$	(2) Mg^{+2}		(1) Baby is male	
	(3) Ca ⁺²	(4) Na ⁺		(2) Baby is female	
Q.156	Large scale death of			(3) Mother is heteroz	
	(1) Saline lake	(2) Oligotrophic lake	0.167	(4) Mother is homoz	· -
0.4==	(3) Eutrophic lake	(4) Shallow lake	Q.167	hazard is:	ociated with occupational
Q.157	A normal human calories per day:	being requires how much		(1) Flurosis	(2) Pneumoconieosis
	(1) 2500 k. cal	(2) 4000 k. cal		(3) Silicosis	(4) Asthma
	(3) 5000 k. cal	(4) 686 k. cal	Q.168	Azolla is used in the	* *
	(3) 3000 k. cai	(4) 000 K. Cal	C	(1) Maize	(2) Sorghum
Q.158	Which of the follow	ing yield maximum energy:		(3) Wheat	(4) Rice
	(1) By glycolysis in	•	Q.169		e gas by decomposing the
		on in germinating seeds		gobar (Dung) in gob	
	(3) Fermentation by			(1) Fungus	
	(4) Anaerobic respira	ation		(2) Virus	
Q.159	Main reason of water	er bloom in rivers, lakes, sea		(3) Methanogenic ba	cteria
	etc. is:	, ,		(4) Algae	
	(1) Brown algae and	green algae	Q.170	Pantothenic acid & F	Biotin associated with:
	(2) Cyanobacteria ar	nd dinoflagellates		(1) Vitamin D	(2) Vitamin B complex
	(3) Eicchornia			(3) Vitamin K	(4) Vitamin E
	(4) Fishes		Q.171	Which one is wrong	pair :
Q.160	Incactivorous plants	grow in the soil which is		(1) Scurvy – Vitamir	n C
Q.100	deficient in :	grow in the soft willen is		(2) Rickets – Vitami	n D
	(1) Mg	(2) Ca		(3) Night blindness (2	Xerophthalmia) – Vitamin A
	(3) P	(4) N		(4) Beriberi – Vitam	in K
	(0) 1	(1) 11			

Q.172 Maximum photosynthesis takes place by : (1) Phytoplankton (2) Zooplankton (3) Marsh plants (4) Woody plants (2) Triassic (3) Cretaseus (4) Permian Q.174 Dental formula of adolescent human being before seventeen year : (1) \frac{2122}{2122} (2) \frac{2123}{2123} Q.185 E. coli are used in production of : (1) Poly flagellate (2) Mono flagellate (3) Biflagellate (4) Tetra flagellate (3) E. coli are used in production of : (1) Rifampicin (2) LH (3) E. coli are used in production of : (1) Ri
(3) Marsh plants (4) Woody plants Q.173 Reptiles like mammals originated in : (1) Jurassic (2) Triassic (3) Cretaseus (4) Permian Q.174 Dental formula of adolescent human being before seventeen year : (1) \frac{2122}{2122} (2) \frac{2123}{2123}
Q.173 Reptiles like mammals originated in: (1) Jurassic (2) Triassic (3) Cretaseus (4) Permian Q.174 Dental formula of adolescent human being before seventeen year: (1) \frac{2122}{2122} (2) \frac{2123}{2123} (3) \frac{2102}{2102} (4) \frac{2023}{1023} (4) \frac{2023}{1023} (3) 7 \times 10^7 (4) 6 \times 10^6 Q.176 Minute quantity of hormones & steroid are detected by: (1) Electrophoresis (2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis Q.187 Casparian bands are found in: (1) Endodermis (2) Pericycle (3) Periderm (4) Cortex Q.188 Funaria's male gametes are: (1) Poly flagellate (2) Mono flagellate (3) Biflagellate (4) Tetra flagellate (3) Ecdyson (4) Interferon Q.188 Which one is obtained by S. Miller in his experiments on origin of life before 1953: (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides Q.189 Which protein found in maximum amount: (1) Electrophoresis (2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis Q.189 After ovulation follicles converted into: (1) Corpus luteum (2) Corpus albicans (3) Corpus calosum
(1) Jurassic (2) Triassic (3) Cretaseus (4) Permian (3) Periderm (4) Cortex Q.174 Dental formula of adolescent human being before seventeen year: (1) \frac{2122}{2122} (2) \frac{2123}{2123} (2) \frac{2123}{2123} (2) \frac{2123}{2123} (2) \frac{2123}{2123} (2) \frac{2123}{2123} (2) \frac{2123}{2102} (2) \frac{2123}{2102} (2) \frac{2123}{1023} (2) \f
(3) Cretaseus (4) Permian Q.174 Dental formula of adolescent human being before seventeen year: (1) \frac{2122}{2122} (2) \frac{2123}{2123} Q.1 \frac{2123}{2123} Q.1 \frac{2123}{2123} Q.1 \frac{2123}{2120} Q.1 \frac{2122}{2120} Q.1 21
Q.174 Dental formula of adolescent human being before seventeen year: (1) \frac{2122}{2122} (2) \frac{2123}{2123} (2) \frac{2123}{2123} (2) \frac{2023}{2102} (3) \frac{2023}{1023} (4) \frac{2023}{1023} (2) \frac{2023}{1023} (3) \frac{2023}{2023} (3) \frac{2023}{2
before seventeen year: (1) \frac{2122}{2122}
(1) $\frac{2122}{2122}$ (2) $\frac{2123}{2123}$ (3) Biflagellate (4) Tetra flagellate (3) $\frac{2102}{2102}$ (4) $\frac{2023}{1023}$ (1) Rifampicin (2) LH (3) Ecdyson (4) Interferon (4) Interferon (5) Collection of DNA in yeast is: (1) 2.56 × 109 (2) 0.5 × 109 (2) 0.5 × 109 (3) 7 × 107 (4) 6 × 106 (6) Minute quantity of hormones & steroid are detected by: (7) Electrophoresis (8) Biflagellate (4) Tetra flagellate (9) LH (9) Ecdyson (4) Interferon (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides (4) Peptides (5) Radio immunoassay (6) Fractional analysis (7) Collection of DNA from DNA (8) Ecdyson (9) Interferon (9) LH (9) Ecdyson (9) Interferon (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides (3) Nucleotide (4) Peptides (4) RUBISCO (5) Zinc carbonic anhydrase (6) Transferase (7) Zinc carbonic anhydrase (8) Transferase (9) Zinc carbonic anhydrase (9) Zinc carbonic anhydrase (1) Corpus luteum (2) Corpus albicans (1) Corpus cavernosa (4) Corpus calosum
(3) $\frac{2102}{2102}$ (4) $\frac{2023}{1023}$ (2) $\frac{2102}{1023}$ (3) Ecdyson (4) Interferon Q.175 Molecular weight of DNA in yeast is: (1) 2.56×10^9 (2) 0.5×10^9 (3) 7×10^7 (4) 6×10^6 (1) Simple sugars (2) Amino acids Q.176 Minute quantity of hormones & steroid are detected by: (1) Electrophoresis (2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis Q.187 Which protein found in maximum amount: (1) Catalase (2) Zinc carbonic anhydrase (3) Transferase (4) RUBISCO Q.177 Hybridoma is: (1) Collection of DNA from DNA (2) Collection of RNA from DNA (3) Ecdyson (4) Interferon (3) Ecdyson (4) Interferon (4) Interferon (5) Edwison (4) Interferon (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides (3) Transferase (4) RUBISCO Q.188 After ovulation follicles converted into: (1) Corpus luteum (2) Corpus albicans (3) Corpus cavernosa (4) Corpus calosum
(3) $\frac{2102}{2102}$ (4) $\frac{2023}{1023}$ (1) Rifampicin (2) LH (3) Ecdyson (4) Interferon Q.175 Molecular weight of DNA in yeast is: (1) 2.56×10^9 (2) 0.5×10^9 (3) 7×10^7 (4) 6×10^6 Q.176 Minute quantity of hormones & steroid are detected by: (1) Electrophoresis (2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis Q.187 Which protein found in maximum amount: (1) Catalase (2) Zinc carbonic anhydrase (3) Transferase (4) Fractional analysis Q.188 After ovulation follicles converted into: (1) Corpus luteum (2) Corpus albicans (3) Corpus cavernosa (4) Corpus calosum
(3) 2102 (4) 1023 (3) Ecdyson (4) Interferon Q.175 Molecular weight of DNA in yeast is: (1) 2.56 × 10 ⁹ (2) 0.5 × 10 ⁹ (3) 7 × 10 ⁷ (4) 6 × 10 ⁶ Q.176 Minute quantity of hormones & steroid are detected by: (1) Electrophoresis (2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis Q.187 Which protein found in maximum amount: (1) Catalase (2) Zinc carbonic anhydrase (3) Transferase (4) RUBISCO Q.177 Hybridoma is: (1) Collection of DNA from DNA (2) Collection of RNA from DNA (3) Ecdyson (4) Interferon Which one is obtained by S. Miller in his experiments on origin of life before 1953: (1) Simple sugars (2) Amino acids (3) Nucleotide (4) Peptides (2) Zinc carbonic anhydrase (3) Transferase (4) RUBISCO Q.188 After ovulation follicles converted into: (1) Corpus luteum (2) Corpus albicans (3) Corpus cavernosa (4) Corpus calosum
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(2) Radio immunoassay (3) Electro encephalogram (4) Fractional analysis (4) Fractional analysis (5) Zinc carbonic anhydrase (6) Transferase (7) Transferase (8) RUBISCO (9) RUBISCO (1) Collection of DNA from DNA (1) Corpus luteum (2) Corpus albicans (3) Corpus cavernosa (4) RUBISCO (1) Corpus cavernosa (2) Corpus albicans (3) Corpus cavernosa (4) Corpus calosum
(3) Electro encephalogram (4) Fractional analysis (4) RUBISCO Q.177 Hybridoma is: (1) Collection of DNA from DNA (2) Collection of RNA from DNA (3) Transferase (4) RUBISCO Q.188 After ovulation follicles converted into: (1) Corpus luteum (2) Corpus albicans (3) Corpus cavernosa (4) Corpus calosum
(4) Fractional analysis (4) Fractional analysis (4) RUBISCO Q.177 Hybridoma is: (1) Collection of DNA from DNA (2) Collection of RNA from DNA (3) Corpus cavernosa (4) Corpus calosum
Q.177 Hybridoma is: (1) Collection of DNA from DNA (2) Collection of RNA from DNA (3) Corpus cavernosa (4) Corpus calosum
(1) Collection of DNA from DNA (1) Corpus luteum (2) Corpus albicans (2) Collection of RNA from DNA (3) Corpus cavernosa (4) Corpus calosum
(2) Collection of RNA from DNA (3) Corpus cavernosa (4) Corpus calosum
(3) A fusion of tumour sex cell with non tumour Q.189 Minor change in gene's structure is called:
sex cell (1) Reversible mutation
(4) A fusion of tumour somatic cell with non (2) Point mutation
tumour somatic cell (3) Forward mutation Q.178 Which substance can be used as male (4) Back ward mutation
control continuity in future :
(1) ESH (2) I H
(1) Gardening outside the nouse
Q.179 Genetic material of prokaryotic cell: (2) Global cooling (3) Global warming
(1) Non histonic double stranded DNA (4) Green colour house
(2) Histonic double stranded DNA Q.191 What will be happen if the number of organism
(3) Histone & DNA both are absent increased at a place:
(4) Histone without DNA (1) Inter species competition
Q.180 Ligament consist of: (2) Intra species competition
(1) Yellow fibres + Elastic fibres (3) Both
(2) Yellow fibres + Collagen (white) fibres (4) None
(3) Yellow fibres + Muscle fibres Q.192 What is vaccine:
(4) White fibres + Muscle fibres (1) Treated bacteria, virus & protein
Q.181 Tendon consist of:
(1) Non Elastic connective tissue (2) White Elastic tissue (3) Treated fungi
(3) Collagen (white) fibres + Muscle fibres (4) Treated plasmodium
(4) Only collagen fibres

Q.193	Shell of egg in bird becomes thin (not properly formed) due to the pollution of pesticides. This is due to interference in the activity of:			
	(1) Ca ATPase	(2) Mg ATPase		
	(3) Calmodulin	(4) None		
Q.194	Agglutination occurs tube. This indicate: (1) Antibodies are pres (2) Antigens are prese (3) Antigens are prese (4) Antibodies are prese	ent on R.B.C. ent in plasma		
Q.195	to lipid layer and membrane will be:	of protein, which is attached lining the pores of cell		
	(1) α-Helix(3) β-Chain	(2) β-Strand(4) Random		
Q.196	Recently extinct animal from India is: (1) Acinonyx (2) Rhinoceros unicornieus			
	(3) Panthera leo(4) Panthera tigris			
Q.197	Simplest reflex action in human is:			
	(1) Mono synaptic	(2) Bi synaptic		
	(3) Tri synaptic	(4) Poly synaptic		
Q.198	In inducible operon, regulatory gene synthesize:			
	(1) Promoter	(2) Operator		
	(3) Repressor	(4) Aporepressor		
Q.199	Neuroglial cells associated with:			
	(1) Heart	(2) Kidney		
	(3) Brain	(4) Eyes		
Q.200	Diatomaceous earth is used as heat insulator in boilers and steam pipes because the cell wall of diatom:			
	(1) Composed of iron(2) Composed of silicon dioxide			
(3) Is conductor of heat				
	(4) Is bad conductor of electricity			
	(7) 13 Day Colladelol of Electricity			