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Q.1	A Force can be comple (a) its magnitude	etely described by : (b) its direction	Q.8	A cylindrical wire having the length 'l' and 'r' offers a resistance of 10 Ω its length inc by 3 times then new resistance will be:	
	(c) its magnitude and	direction		(a) 30 Ω	(b) 90 Ω
	(d) neither magnitude	nor direction		(c) 15 Ω	(d) None
Q.2	The SI unit of force is (a) newton	(b) newton per second	Q.9	Which of the followi	ing is not a example of non-
	(c) newton metre			(a) Diode	(b) Torch bulbs
	(d) newton per square	meter		(c) both a & b	(d) None
Q.3	Friction between two	o flat surfaces can be	U R Q.10	Resistance of ideal	voltmeter is :
	reduced by			(a) 10 Ω	(b) 10000 Ω
	(a) greasing	(b) Painting		(c) zero	(d) infinity
	(c) using ball bearing		Q.11	Volta meter is a dev	ice use to :-
	(d) decreasing the area			(a) T <mark>o m</mark> easure cur	rent
Q.4	.4 The one which has the least magnitude is			(b) To measure pot	ential difference
	(a) static friction	(b) rolling friction		(c) To measure ele	ctric charge in electrolysis
	(c) sliding friction $S(d)$ limiting friction YOUR			AREER (d) All	,
Q.5	force of friction does no	ot depend upon	Q.12	Which of the followi	ng best describes the ohm's
	(a) nature of surface	(b) weight of the body		law	
	(c) area of contact	(d) Nature of bodies		(a) $v = \frac{qr}{t}$	(b) r = vi TM
Q.6	Which is not a non – co	ontact force		(c) i= vR	(d) All
	(a) Gravitati <mark>onal</mark>	(b) Electrostatic	Q.13	Who discovered t	the magnetic behaviour of
	(c) Magnetic	(d) Frictional		electric current first	of all)
Q.7	The effective resistand	ce between A & B is		(a) Flemmiy	(b) Bio- Sav <mark>or</mark> t
	$A \xrightarrow{2} 2$		UR	(c) Ampere	(d) None of these
	B-www		Q.14	Electron volt is the u	init of :-
	2 2	2		(a) energy	(b) Charge
	(a) 4.4 Ω	(b) 6.8 Ω		(c) potential differe	ence
	(c) 5.3 Ω	(d) None		(d) None	
			Q.15	8.4 kilojoule is equa	ls to :-
				(a) 2000 cal	(b) 8400 cal
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	(c) 4200 cal	(d) None	Q.23	A certain piece of cop	per is to be shaped into a						
Q.16	levers are of			conductor of minimum resistance. Its length ar							
	(a) One kind	(b) two kinds		diameter should be							
	(c) three kinds	(d) Any numbers		(a) L, d	(b) 2L, d						
Q.17	A current carrying wire	produces		(c) L/2, 2d	(d) 2L, s/2						
	(a) an electric field	(b) a magnetic field	Q.24	Resistance is measur	red in						
	(c) both electric & mag	gnetic field		(a) ohm-m	(b) siemens						
	(d) None			(c) ohm	(d) mho						
Q.18	What is increased in a step down transformer ?		Q.25	The unit of resistivity i	is :-						
	(a) Voltage	(b) current		(a) ohm-m	(b) siemens						
1	(c) wattage	(d) current density		(c) ohm	(d) mho						
0 10	The material of th	ne core of a strong	Q.26	A current of 4.8	ampere is flowing in a						
Q.10	electromagnet is			conductor. The numb second through the co	er of electrons flowing per anductor is						
	(a) Steel	(b) Soft iron		(a) 76.8 ×10 ²⁰	(b) 7.68 ×10 ²⁰						
	(c) wrought iron	(d) Brass		(c) 3×10 ²⁰	(d) 3×10 ¹⁹						
Q.20	The principle of white electromagnetism	ch of these devices is	R Q.27	Intensity of sound doe	s not depend upon:-						
	(a) Galvanometer	(b) Motor		(a) amplitude	(b) frequency						
	(c) Transformer	(d) All		(c) density	(d) mass of body						
Q.21	The speed of the moto	r does not depend upon	Q.28	Bats detect their prey	by receiving the reflected						
	(a) The strength of the	e magnetic field		(a) radio waves	(b) ultrasonics						
	(b) the current in the	coil		(c) infrasonics	(d) sound waves						
	(c) the number of turn	s in the armature coil.	Q.29	The frequency of a	vibrating string depends						
	(d) None	SHAPING YO	UR	CAREER	4 X X X X X X X X X X X X X X X X X X X						
Q.22	A uniform wire of res	istance R ohm is divided		(a) length of string	(b) Tension in string						
	into ten equal parts	s and all of them are		(c) Mass per unit leng	of string						
1	connected in parallel.	The net resistance is		(d) all of these	——TM						
	(a) 0.01 R	(b) 0.1R	Q.30	The audible range for	a normal human being is						
	(c) 10 R	(d) 100 R	-	(a) 10 Hz to 20,000 H	z (b) 20 H <mark>Z</mark> to 20kHz						
				(c) 10 HZ to 50 kHz	(d) 20 Hz to 1000 Hz						
			Q.31	The velocity of light is	minimum in						
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<u> </u>					07275924637, 9415905513						

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	(a) water	(b) glass	Q.38	Critical angle of a me density is	edium is 60 ⁰ , then its optical		
0 32	The minimum value of	(u) all		(a) $\frac{1}{2}$	(b) $\frac{2}{\sqrt{2}}$		
Q.32					(-1) (2		
	(a) zero	not zoro	0.00				
	(c) one	(d) more than one	Q.39	What remains const	ant when light is refracted o the other		
Q.33	The ratio of refractive	index of red light to blue		(a) wavelength	(b) velocity		
	light in air is			(c) frequency	(d) all		
	(a) 1	(b) AIAPING YO	Q.40	While passing throug	Ih a prism , which colour of		
	(c) >1	(d) None		light is least deviated			
Q.34	If n is the refractive in	ndex and θ_c of the critical		(a) red	(b) yellow		
1	angle of a medium the	en		(c) violet	(d) green TM		
	(a) $\sin \theta_c > \frac{1}{n}$	(b) $\sin \theta_c < \frac{1}{n}$	Q.41	According to the r	modern periodic law, the		
	(c) $\sin \theta_c = \frac{1}{n}$	(d) None		their			
Q.35	In total internal reflect	tion		(a) atomic number	(b) atomic mass		
	(a) 50 % of light is absorbed PING YOUR C.			(c) atomic volume	(d) mass number		
	(b) 50 % of light is reflected Q		Q.42	Which of the followin	g elements has the highest		
	(c) 100 % of light is r	reflected		electronegativity?			
	(d) 100 % of light is re	efracted		(a) I	(b) Br TM		
Q.36	The 'mirage observed	d in hot deserts is due to		(c) Cl	(d) F		
	the phenomenon of		Q.43	The number of elem	nents in each of the long		
	(a) refraction	(b) reflection		periods is			
	(c) total internal reflect	SHARING VO		(a) 2	(b) 8		
	(d) scattering	SHAFING TO	UK	(c) 18	(d) 32		
Q.37	In total internal reflecti	ion	Q.44	An element with at	omic number 19 will most		
	(a) laws of reflection a	are obeyed		number is	TM		
	(b) laws of refraction	are made		(a) 17	(b) 11		
	(c) angl <mark>e of reflec</mark> tion	n is greater than angle of	-	(c) 18	(d) 20		
	incidence		0 45	The hand formed ba	tween the two atoms of the		
	(d) angle of reflection	on is less than angle of	Q.70	same element to form	n a molecule is		
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	(a) ionic	(b) covalent	Q.53	The process in which a hydrated salt loses	its		
	(c) polar	(d) coordinate		water of crystallization to the air is called			
Q.46	The number of single	e covalent bonds present		(a) vaporization (b) deliquescence			
	in C_2H_2 molecule are ,			(c) efflorescence (d) sublimation			
	(a) 2	(b) 5	Q.54	Which of the following loses mass when I	left		
	(c) 3	(d) 4		exposed to air?			
Q.47	The number of elect	rons shared by the atoms		(a) Mg Cl ₂ .6H ₂ O (b) CaCl ₂ .6H ₂ O			
	of oxygen during th	ne formation of oxygen		(c) $Na_2SO_4.10H_2O$ (d) None			
	molecule are,	SHAPING YOU	Q.55	Which of the following gives acidic solution?			
	(a) 2	(b) 4		(a) Na ₂ SO ₄ (b) KCl			
	(c) 8	(d) 6		(c) $NaNO_3$ (d) $Cu (NO_3)_2$			
Q.48	The chemical formula	of aluminium sulphate is ,	Q.56	An acid can react with TM			
	(a) AISO ₄₊	(b) Al (SO ₄) ₃		(a) Na ₂ CO ₃ (b) PbSO ₄			
	(c) Al2(SO ₄) ₃	(d) Al ₃ SO ₄		(c) Na ₂ SO ₄ (d) AgCl			
Q.49	Which of the following	contains lactic acid?	Q.57	The colour of potassium dichromate is due to i	its		
	(a) grapes	(b) Curd		(a) Potassium ion (b) dichromate ion			
	(c) tomatoes	(d) Onions		(c) chromium ion (d) chromate ion			
Q.50	Which of the following	turns methyl orange red?	Q.58	The anion which imparts purple colour to	its		
	(a) dil. Sodium hydroxide solution			solution is			
	(b) dil. Ammonia solut	ion		(a) sulphate (b) acetate			
	(c) limewater			(c) chromate (d) permanganate			
	(d) dil. Hydr <mark>ochloric a</mark> d	cid	Q.59	Which of the following is not an amphote	eric		
Q.51	Which of the follow	vin <mark>g does not d</mark> isplace		oxide?			
	hydrogen from acids?	SHAPING YO	UR	(a) Na ₂ O (b) ZnO			
	(<mark>a</mark>) copper	(b) sodium		(c) Al ₂ O ₃ (d) PbO			
	(c) magnesium	(d) zinc	Q.60	Volume – volume relationship for a reacti	ion		
Q.52	The pH of a pure sam	nple of water at 298 K is		between gases is given by			
	always			(a) charles's law (b) Boyle's law			
	(a) 7	(b) <7		(c) Avogadro's law (d) Gay-Lussac law			
	(c) >7	(d) None	Q.61	The mass percentage of hydrogen in water is			
				(a) 1.11 (b) 88.9			
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	(c) 8.89	(d) 11.11		(c) C ₂ H ₃	(d) C _{1.5} H ₁
Q.62	The accepted unit	of atomic and molecular	Q.70	The percentage of wa	ter in Na ₂ S.9H ₂ O is about
	masses is			(a) 75	(b) 68
	(a) kilogram	(b) gram		(c) 45	(d) 90
	(c) pound	(d) atomic mass unit	Q.71	A gas cylinder can	hold 1 kg of hydrogen at
Q.63	Chemists commonly e	express the amount of any		room temperature ar	nd pressure. The mass of
	substance in the unit c			carbon dioxide it v	vould hold under similar
	(a) mass	(b) density		(a) 220 kg	(b) 2 ka
	(c) mole	(d) volume Shaping you	UR		(d) 22 kg
Q.64	The ratio between he	e number of molecules in	0.70	(c) z.z.ky	(u) 22 kg
	(a) 1 · 2		Q.72	salt solution	is more
ſ	(a) 1.2			(a) electronegative	(b) electropositive
0.05				(c) acidic	(d) basic
Q.65	gram- molecular mass	gram-molecular mass are the same is		Which of the following	has the highest tendency anode?
	(a) hydrogen	(b) oxygen		(a) Cl ⁻	(b) OH ⁻
	(c) nitrogen	S(d) helium IG YOUF	s c	AREER (c) NO ²	(d) SO4 ²⁻
Q.66	Mass of one Avoga	dro's number of oxygen	Q.74	During the electro	lvsis of copper sulphate
	atoms (O) is equal to			solution using plat	inum anode, the product
	(a) 16 u	(b) 16 g		obtained at the anode	is TM
	(c) 32 g	(d) 6 kg		(a) copper	(b) Copper (II) ion
Q.67	The molecular formula	of calcium phosphate is		(c) oxygen gas	(d) hydrogen gas
	(a) CaPO ₄	(b) Ca ₃ (PO ₄) ₂	Q.75	During the electropla	ting of gold , the electrolyte
	(c) Ca ₂ PO ₄	(d) Ca $(PO_4)_3$ Shaping you	UR	used is CAREER	
Q.68	The number of molec	cules in 8 g of oxygen gas		(a) AuCl₃(aq)	
	(a) (0.02×10^{23})	(b) 2.04×10^{23}		(b) AuCl ₃ (aq) + HCl(a	aq)
1	(a) 0.02×10^{23}	(b) 3.01×10^{12}		(c) Molten AuCl ₃	——TM
0.00	(C) 1.5 ×10	(a) 3.01 × 10		(d) Molten gold oxide	e
Q.69	which carbon and hy	drogen are present in the	Q.76	During the electro	lysis of Cu <mark>S</mark> O ₄ (aq) using
	ratio of 1 : 1.5 is			copper electrodes, tr	he substance liberated at
	(a) C ₁ H _{1.5}	(b) C ₄ H ₆		(a) Sulphuric acid	(b) sulphur dioxide
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Q.77	(c) oxygen The gas obtained electrolysis of HCI	(d) Cu ²⁺ ions at the cathode during (aq) using platinum	Q.84	A sphere of diameter 18 cylindrical vessel of diame with water. If the s submerged, then the wate	cm is dropped into a eter 36 cm, partly filled phere is completely er level rises (in cm) by
	electrodes are			(a) 3	(b) 4
	(a) mixture of hydroge	en and chlorine		(c) 5	^(d) ⁶ TM
	(b) hydrogen chloride(c) chlorine	gas	Q.85	The angle of elevation of a point on the ground, wh the foot of the tower is 4 tower (in cm) is :	the top of a tower from nich is 30 m away from 15 ⁰ The height of the
	(d) hydrogen			(a) 15	(b) 30
Q.78	Factor influencing the electrodes are	discharge of ions at the SHAPING YOU	UR 0.86	(c) $30\sqrt{3}$	(d) $10\sqrt{3}$
	(a) applied voltage		Q .00	joining the points A (2, - ratio 2 ; 3 lies in the quadr	\cdot 5) and B (5, 2) in the rant :
	(b) duration			(a) I	(b) II TM
	(c) nature of electrode	,		(c) III	(d) IV
0.79	(d) position in the elec	trochemical series	Q.87	The mid-point of segmen 4). If the coordinates of coordinates of A are :	t AB is the point P (0, B are (-2, 3), then the
Q.13				(a) (2, 5)	(b) (-2 -5)
	(a) brass	(b) neon Shaping your	а С.	(c) $(2, 9)$	(d) (-2, 11)
	(c) lead	(d) Calcium	Q.88	Which of the following ca	nnot be the probability
Q.80	The best electrical con	ductors is		of an event ?	,
	(a) gold	(b) copper		(a) 1.5	(b) $\frac{3}{5}$
	(c) silver	(d) aluminium		(c) 25 %	(d) 0.3 M
Q.81	The roots of the equat	ion x ² +x-p(p+1)=0, where	Q.89	Solution of the equation x^2	²- 5x-10=0 is :
	(a) p. p+1	(b) -p. p+1		(c) both a and b	(d) None
	(c) p, -(p+1)	(d) -p, -(p+1)	Q.90	If the common difference	of an A.P. is 3, then
Q.82	In an A. P. , if $d = -2$, value of a is :	$n \equiv 5$ and $a_n = 0$, then the \bigcirc	UR	a ₂₀ -a ₁₅ is : (a) 5	(b) 3
	(a) 10	(b) 5		(c) 15	(d) 20
	(c) -8	(d) 8	Q.91	The perimeter (in	cm.) of a square
Q.83	The radii of two circ	cles are 4 cm and 3 cm		circumscribing a circle of I	radius a cm. is :
	respectively. The dian	neter of the circle having		(a) 8a	(b) 4a
	circles (in cm.) is :			(c) 2a	(d) 16a
	(a) 5	(b) 7	Q.92	The radius (in cm.) of the cone that can be cut out fit	ne largest right circular rom a cube of edge 4.2
	(c) 10	(d) 14		cm is :	
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	(a) 4.2	(b) 2.1	Q.102	A fair coin is tossed 1000 times and the I	nead	
	(c) 8.4	(d) 1.05		occurs 580 times and tail 420 times. probability of getting a head is :	The	
Q.93	If $\triangle ABC \cong \triangle LKM$, then	side of Δ LKM equal to side		(a) $\frac{1}{2}$ (b) $\frac{21}{2}$		
	AC of ΔABC is	(b) (m		$(2) \frac{29}{2}$ $(2) \frac{42}{50}$		
	(a) LR	(d) None		(c) $\frac{1}{50}$ (d) $\frac{1}{48}$ TM		
Q.94	If A and B are two ever	ts then P ($\overline{A} \cap \overline{B}$)=	Q.103	Coordinates of the centroid of a triangle w vertices are A(-1, 3), B (1, -1) and C (5, 1)	hose	
	(a) $P(\overline{A}) P(\overline{B})$	(b) 1- P(A) –P(B)		(a) $\begin{pmatrix} 5 \\ -1 \end{pmatrix}$ (b) $\begin{pmatrix} 3 \\ -1 \end{pmatrix}$		
	(c) P(A)+P(B) –P(A∩E	B) (d) P(B) –P(A∩B)		(c) $(3, -)$ (d) None		
Q.95	If A and B are the po	pints (−6, 7) and (−1, −5)	O 104	If the diagonals of a quadrilateral bisect	each	
	respectively, then the c	distance 2AB is equal to: YOU	JR	other at right angle, then it is :	ouon	
	(a) 13	(b) 26		(a) trapezium (b) rhombus		
	(c) 169	(d) 238		(c) rectangle (d) parallelogram		
Q.96	A card is drawn from a playing cards. The pro	a well-shuffled deck of 52 bbability that the card will	Q.105	If (1 ,2) is the solution of the equal 2x+3y=2p, then the value of p is :	ation	
	(a) $\frac{1}{2}$	(b) 1		(a) 3 (b) 4		
	(a) $\frac{13}{13}$	(D) $\frac{1}{4}$		(c) 6 (d) 8		
	(c) $\frac{12}{13}$	(d) $\frac{3}{4}$	Q.106	If one angle if a parallelogram is 30 ⁰ less	than a of	
Q.97	Which of the following is solution of $2x-y+6=0?$			smallest angle is :	0	
	(a) (2, −2)	(b) (2, 2)		(a) 50 ⁰ (b) 60 ⁰		
	(c) (-2, 2)	(d) $(-2, -2)$		(c) 70^0 (d) 80^0		
Q.98	In a parallelogram ABCD, if ∠A = $(2x+25)^{0}$ and ∠ B = $(3x-5)^{0}$, then the value of x is :		Q.107	The median of the following observation 11, 12, 14, 18, (x+4), 30, 32, 35, 41 arranged in		
	(a) 32 ⁰	(b) 36 [°]		ascending order is 24. Then x is equal to		
	(c) 45°	(d) 60°		(a) 20 (b) 24		
Q.99	If A and B are two give equal to	en sets ,then A∩ (A∩B) [~] is	Q.108	(c) 16 (d) None $\frac{\sin \theta \tan \theta}{1 - \cos \theta}$ is equal to		
	(a) A	(b) B		(a) $1 + \sec\theta$ (b) $\tan\theta + \cot\theta$		
0.400	(c) Ø	(d)SIATOBEING YOU	JR	(c) cosecθ (d) None		
Q.100	If $A \cap B = B$ then		Q.109	$\frac{2\tan 53^0}{\pi^{-0}} - \frac{\cot 80^0}{\cos^0}$ is equal to		
	(a) ACB (c) $A = \phi$	(d) d=0		(a) 1 (b) 0		
0 101	Volume of right circula	ar cone whose radius is $\frac{2}{2}$		(c) 2 (d) None		
Q.101	of height (h) is :		Q.110	The ratio of the volume of a right circ	c <mark>ular</mark>	
	(a) 3πh ³	(b) $\frac{2}{2}\pi h^2$		cylinder and a right circular cone of the s	ame	
	(c) 2πh ³	(d) $\frac{4}{\pi}h^2$		(a) 3:4 (b) 4:3		
		(⁴) 9 ¹¹¹		(c) 1:3 (d) 3:1		
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Q.111	The mean of 5 numb recorded , then pro numbers in a trial is :	per is 18. If one data is bability of getting even	Q.119	Let $A = \begin{bmatrix} 1 & 0 \\ 2 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 2 & 2 \\ -1 & 0 \end{bmatrix}$ to	$\begin{bmatrix} 3 \\ -3 \end{bmatrix}$ then A ² +AB+B ² is equal
	(a) 26	(b) 23		(a) $\begin{bmatrix} 4 & 9 \\ 5 & 4 \end{bmatrix}$	(b) $\begin{bmatrix} 5 & 4 \\ 3 & 1 \end{bmatrix}$
	(c) 25	(d) 28		(c) $\begin{bmatrix} 0 & 1 \\ 2 & 1 \end{bmatrix}$	(d) $\begin{bmatrix} 2 & 3 \\ 1 & 0 \end{bmatrix}$
Q.112	Cost of diesel in a ci	ty is Rs. 38 per litre. If	Q.120	$\frac{\sec A - 1}{\sec A + 1}$ is equal to	TM
	represents the consum	ption of diesel daily and x		(a) $\frac{1-\sin A}{1+\sin A}$	(b) $\frac{1-\cos A}{1+\cos A}$
	obtained is :			c) $\frac{1+\tan A}{2}$	(d) None
	(a) 38x-y=0	(b) 38x+y=0			
				Roboli i ok si	
	(<mark>c</mark>) 38y-x=0	(d) 35y+x=0 NG YO	UR (CAREER	
Q.113	A triangle and paralle base and between sa area of triangle to that	elogram are on the same me parallel, then ratio of of parallelogram is			
	(a) 1:2	(b) 1:3			TM
	(c) 1:4	(d) 1:1			
Q.114	Kiran purchases an a includes 10 % rebate 20% sales tax on the price of the article is	rticle for Rs. 5400 which on the marked price and remaining price marked			
	(a) 5000	5(b).6480NG YOUF	R CA	REER	
L	(c) 4550	(d) None			
Q.115	If $\frac{3x+5y}{3x-5y} = \frac{7}{3}$ then x : y e	qual			
	(a) 25:6	(b) 7:3			TM
	(c) 3:7	(d) None			
Q.116	The probability of draw well shuffled 52 cards i (a) $\frac{1}{13}$	(ing a king from a pack of is : (b) $\frac{1}{26}$			
	(c) $\frac{1}{2}$	(d) $\frac{2}{3}$			
0 117	Which of the following	SHAPING YO	UR (CAREER	
Q.117	equation 3x-2y=8				
	(a) x=0, y =4	(b) x=0, y= -4			
1	(c) x=1, y =-2	(d) x =3, y= 0			TM
Q.118	Three angles of quadr The fourth angle of qua	ilateral are 70 ⁰ , 120 ⁰ , 84 ⁰ . adrilateral is :			
	(a) 86 ⁰	(b) 96 ⁰			
	(c) 76 ⁰	(d) 106 ⁰			
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				(c) 3	(d) 1		
			Q.126	Organism that does photosynthesis is :	not evo	olve O ₂ di	uring
				(a) funaria	(b) Ana	baena	
				(c) Rhodospirillum	(d) Pis	umTM	
			Q.127	Which of the following	plant is n	ot green?	
				(a) rose	(b) cuso	cuta	
				(c) orobanche	(a) all		
		SHARING VO	Q.128	Phytochrome in plants	is sensitiv	ve to	
		Sharing io	UK	(a) red light	(b) gre	en light	
0 121	Haplaid calls belong to			(c) yellow light	(d) red	and far red	light
Q. 121	(a) integriment poller	arain andosnarm	Q.129	Photophosphorylation	was disco	vered by	Ū
	(b) ombrive ondesperi	m and pollon grain		(a) Arnon	(b) Hill		
				(c) Calvin	(d) Rut	pen and kan	nen
	(d) integrapore, pollen		Q.130	First CO ₂ receptor in C	plants is		
0.400	(d) integument, polien	grain and antipodal	-	(a) PGA	(b) PFF	,	
Q.122	Chondriosome is disco	wered by: NG TOUP		(c) RuBD	(d) 04	<u>.</u>	
	(a) Benda	(b) messelson	0 131	The first reaction in ph		tion is :	
	(c) Dujardin	(d) Taylor	Q.101	(a) decarboxylation			
Q.123	DNA is a ssociated	with highly basic protein					
	(a) histories	(b) non historias	0 400		(u) prio:	spriorylation	
	(a) histories	(d) non albumin	Q.132	Peroxisomes are rich			
0 404	(c) albumins			(a) reductive enzymes	(b) lytic	enzymes	
Q.124	separated sister chi	romatids move towards	UR	(c) oxidative enzymes	(d) cata	llytic enzym	es
	opposite poles is :		Q.133	Pellagra is caused by	the defici	ency of	
	(a) anaphase I	(b) anaphase II		(a) ascorbic acid	(b) folic	acid	
T	(c) metaphase I	(d) metaphase II		(c) niacin	(d) ribol	flavin M	
Q.125	The number of hy	ydrogen bonds between	Q.134	Bilirubin and biliverdin	are		
	adenine (A) and thymi	ne (T) in a DNA molecule		(a) bile salts	(b) bile	pigments	
	is :			(c) bile juices	(d) bile	enzymes	
	(a) 2	(b) 4	Q.135	Which of the following	teeth are l	ophodont:	
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	(a) premolar and mola	ar	0 1/3	During blood clotting	the platelets release:		
	(a) premolar and mola	ai	Q.143		(b) Drothrombin		
		Or		(a) thrombin			
	(c) Incisor and canine			(c) fibrin	(d) thrombokinase		
	(d) canine and premo	lar	Q.144	The first heart sound is produced when			
Q.136	Prolonged deficiency of	of nicotinic acid causes		(a) systole begins			
	(a) anaemia	(b) pellagra		(b) diastole begins			
	(c) osteomalacia	lacia (d) xerophthalmia		(c) semilunar valve c	loses		
Q.137	Induced fit theory of er	nzyme action was given by		(d) biscuspid and tric	uspid valve close quickly		
	(a) Koshland	(d) Fischer NG YO	UQ.145	At high altitude, the R	BCs in human blood		
	(c) Sumner	(d) Buchner		(a) increase in number	er		
Q.138	Which of the following	gas makes most stable		(b) decreases in num	ber		
ſ	product with haemoglo	bbin?		(c) increase in size	(d) decrease in size		
	(a) O ₂	(b) CO ₂	Q.146	Heparin is formed by	:		
	(c) CO	(d) SO ₂		(a) kidney cells	(b) blood cells		
Q.139	The oxidative bre	akdown of respiratory		(c) liver cells	(d) bone marrow		
	substrates with the hel	p of oxygen is termed as	R Q.147	Antibodies are :			
	(a) fermentation	(b) combustion		(a) carbohydrates	(b) Immunoglobulins		
1	(c) anaerobic respirat	ion		(c) globular proteins	(d) extrinsic proteins		
	(d) aerobic respiration	I	Q.148	Two examples in whi	ch the nitrogenous wastes		
Q.140	Cristae are associated	with		are excreted from bo	dy in the form <mark>o</mark> f uric acid		
	(a) chloroplast	(b) nucleus		are :			
	(c) mitocho <mark>ndria</mark>	(d) golgi bodies		(a) mammals and mo	ollusca		
Q.141	In which part of	mitochondria does ATP		(b) frog and fish			
	synthesis occur?	SHAPING YO	UR	(c) insect and earthw	orm		
	(a) F ₁	(b) F ₀		(d) birds and lizards			
	(c) Cristae		Q.149	Micturition reflex is rel	lated to		
ſ	(d) Inner membrane o	fmitochondria		(a) ovulation	(b) copulation		
Q.14 <mark>2</mark>	Fat, prior to its oxidation	on associate with		(c) fertilization	(d) urination		
	(a) Cyclic AMP	(b) CoA	Q.150	Excretion in Amoeba	occurs through		
	(c) GMP	(d) ATP		(a) rhizopodia	(b) contractile vacuole		
			_				
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NTHE	2-2014				NC-K-III	
	(c) plasma membrane	(d) mitochondria	Q.160	Which of the following	ng hormone is related with	
Q.151	Phenotypic ratio in F_2 g	generation is :		iodine?		
	(a) 9:3:3:1	(b) 4:2:2:2:2:1:1:1		(a) oxytocin	(b) Thyroxin	
	(c) 3:1	(d) None		(c) ADH	(d) Secretive	
Q.152	Mammalian kidney is		Direct	ion: (Q161 to 166) li	n the following questions,	
	(a) Pronephros	(b) epinephros		each question has	tour terms. Three terms	
	(c) Mesone <mark>phros</mark>	(d) metanephros		from others. Find	out the correct term and	
Q.153	Water reabsorption in	kidney is controlled by		indicate its correct5	alternative letter.	
	(a) aldosteron	() ADHPING YO	Q.161	(a) Patna	(b) Bhopal	
	(c) GH	(d) Oxytocin		(c) Hyderabad	(d) Allahabad	
Q.154	Nerve impulse initiates	with the movement of	Q.162	(a) 139117	(b) 138112	
L.	(a) Mg ⁺⁺	(b) Ca ⁺⁺		(c) 13791	(d) 13678 TM	
	(c) Na ⁺	(d) K ⁺	Q.163	(a) C.H.	(b) F.D.	
Q.155	The cranial nerve in	mammals with maximum		(c) B.L.	(d) P.E.	
	number of branches is		Q.164	(a) Wheat	(b) Barley	
	(a) vagus	S(b)Afacial IG YOUF	ε c /	(c) Msutard	(d) Maize	
L	(c) auditory	(d) olfactory	Q.165	(a) Deer	(b) Panther	
Q.156	Purkinje fibres are pres	sent in		(c) Jackal	(d) Wolf	
	(a) brain	(b) heart	Q.166			
	(c) blood	(d) lungs		(a) (b)	(c) (d)	
Q.157	Law of dominance give	en by	Direct	ion:(Q 167 to173)	In the following question,	
	(a) mendle	(b) Hugode vriegies		there are four term	ns in each question, the	
	(c) Darvin	(d) None		relationship as the	two terms of the left of	
Q.158	Which of the following	nerve of human being is	UR	symbol : : out of t	the four tem one term is	
	both sensory and moto	pr?		missing, which is o	ne of the four alternatives	
	(a) optic	(b) vagus		given below. Find	our the correct alternative	
	(c) trigeminal	(d) all	Q 167	BYCX: DWEV · · FU	ST · 2	
Q.159	Relaxin is released from	m	Q.107			
	(a) pituitary	(b) ovary				
	(c) testes	(d) adrenals	0 169			
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NTHE	E-2014								NC-K-I	III
	(i) A and B tea Mathematics subjec	nch History civics and ct								
	(ii) C and B teach	Geography,Mathematics								
	and Economics sub	oject.								
	(iii) D and A teach	Economics, History and							TM	
	(iv) E and D teach Economics subject	History, Geography and								
	Choose correct alte	ernative from given below								
	alternative.	SHAPING YO	DUR C	AR	EER					
Q.196	Which subject is tau	ght by all teacher.								
	(a) History	(b) Geography								
ſ	(c) Civics	(d) Economics							TM	
Q.19 <mark>7</mark>	Who teaches all the	subject?								
	(a) A	A (b) B								
	(c) C	(d) D								
Q.19 <mark>8</mark>	Which subject is not	teach by D?ING YOU		REE	R					
	(a) Geography	(b) Civics								
	(c) Economics	(d) Mathematics								
Q.199	Which subject is not	teach by A?							ТМ	
	(a) History	(b) Geography			A	nswer	Sheet			
	(c) Civics	(d) Economics		А	2.	в	3.	С	4.	А
Q.200	Which subject is teac	h by E and C jointly?	5.	А	6.	С	7.	А	8.	С
	(a) Geography and I	History	9.	А	10.	С	11.	А	12.	с
	(<mark>b</mark>) History and Ecor	SHAPING YO	DUR C. 13.	ARI A	14.	в	15.	А	16.	А
	(c) Economics and M	Mathematics	17.	А	18.	А	19.	с	20.	А
	(d) Economics and (Geography	21.	А	22.	В	23.	С	⊤24/	в
			25.	D	26.	D	27.	в	28.	С
			29		30	C		B	32	C
			2J. 33	R	34	Δ	35.	ס	36	C C
				R	394. 20	C C	30.	B	<i>1</i> 0	C C
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		0727592463	7, 941590551	3						

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41.							
161	D	162.	в	163. D	164 C		
165	Α	166	в	167 D	168 D		
169	Α	170	D	171 D	172 C		TN 4
17 <mark>3</mark>	D	174	D	175 C	176 A		I IVI
177	в	178	A	179 C	180 D		
181	Α	182	Α	183 B	184 D		
185	D	186	С	187 D	188 A		
189	D	190	в	191 DA P	IM92 A YO	UR CAREER	
19 <mark>3</mark>	D	194	С	195 C	196 A		
197	D	198	в	199 D	200 B		
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