SECTION-I PHYSICAL SCIENCES (PHYSICS)

Q.1.		tity P is given by 4%, 2%, 3%& 1	3 7 66			
	(A) 9%	(B) 11%	(C) 13	.5%	(D) 17.5%	
Q.2.	The radius of t	the earth is 640	0 km. The order	of mag	nitude is	
	(A) $10^7 m$	(B) $10^4 m$	(C) $10^3 m$	(D) 10	2m	
Q.3.	The number 3	498 rounded to	two significant	figure i	S	
	(A) 34.98×10^{-1}) ² (B) 34.	.98 (C) 35	.00	(D) 3500	
Q.4.		aving equal mag the value of r is	_	its actin	ng at an angle of	45° have resultant
	(A) 0	(B) 1	(C) $\sqrt{2}$	(D) 2√	2	
Q.5.	The horizonta	l range of a proj	ectile is 800m.	The max	kimum height a	ttained by it will be
	(A) 200m	(B) 400m	(C) 600m	(D) 80	0m	
(A) 200m (B) 400m (C) 600m (D) 800m Q.6. A car accelerates from rest at a constant rate \propto for same time after which it decclerates constant rate β and comes to rest. If the total elapsed time is t, the maximum velocity acquired by the car will be						
	(A) $\frac{\alpha^2-\beta^2}{\alpha\beta}$ t	(B) $\frac{\alpha^2 + \beta^2}{\alpha\beta}t$	(C) $\frac{\alpha+\beta}{\alpha\beta}t$	(D) $\frac{\alpha\beta}{\alpha+\beta}$	$\frac{1}{\beta}t$	
Q.7.		of mass 200g is in the impulse appl		eed 18 l	km/hr and it is	reflected back with
	(A) 0.2 kg m/s	(B) 2 k	g m/s	(C) 5 k	g m/s	(D) 10 kg m/s
Q.8.	-	s m accelerates power delivere	-		v_1 in time t_1 . As	a function of t, the
	$(A)\frac{mv_1t}{t_1}$	$(B)\frac{mv_1^2t}{t_1}$	(C) $\frac{mv}{t}$	1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(D) $\frac{mv_1^2t}{t_1^2}$	
Q.9.	A rain drop of rain drop of ra		air with a term	inal spe	ed vt. What is tl	he terminal speed of
	(A) $\frac{v_t}{2}$	(B) v_t	(C) $2v_t$	(D) 4v	t	
Q.10.	Which of the fo	ollowing voice h	nave greater pit	ch?		
	(A) male	(B) Female	(C) mosquito	(D) tig	er	

Q.11. Mercury is used as thermometric liquid because

	(A) it has low a (C) it is opaqu	=		(B) it does no (D) all the abo	t wet the glass tu ove	be		
Q.12.	A thermodyna	ımic syst	em goe	s from states				
	(i) P_1 , V to $2P$, <i>V</i>	(ii) F	P_1, V_1 to $2P$, $2V_2$	Then work done	e in two	cases is	
	(A) zero , zero)	(B) zer	${\sf ro}$, ${\it PV}_1$	(C) PV_1 , zero		(D) PV_1 , P_1V_1	
Q.13.	1 unit OF atmo	osphere	pressur	e is equivalent	to			
	(A) 760 to rr		(B) 76	cm kg	(C) both a & b		(D) neither a ne	or b
Q.14.	If the critical a	_		dium of prism i	is C and angle of p	prism is	s A then there w	ill be
	(A) $A < 2C$		(B) A =	= 2 <i>C</i>	(C) $A > 2C$		(D) $A \le 2C$	
Q.15.	= :	=		centre of a glas	ss sphere of radiu e of sphere is:	ıs 6 <i>cm</i>	and $\mu = 1.5 \text{ Th}$	e
	(A) 2 cm	(B) 4 cr	m	(C) 6 cm	(D) 12 cm			
Q.16.	a third change	of charg	ge value		placed at a dista s being in the san ge q is zero is		3	
	(A) $\varphi = 2q$	(B) φ =	= 4 <i>q</i>	(C) $\varphi = 6q$	(D) $\varphi = 8q$			
Q.17.	A point P is loo from infinity t		_	_	Bμc The work dor	ne in br	inging a 5 <i>μc</i> cha	rge
	(A) 1.5 <i>J</i>	(B) 0.1	5 <i>J</i>	(C) 0.015	iJ	(D) 0.0	015 <i>J</i>	
Q.18.	In bringing an system	electror	ı towarı	ds another elec	tron, the electros	static p	otential energy o	of the
	(A) become ze (C) decreases	ero	(B) Inc (D) rer	reases nains unchang	ed			
Q.19.			_		ctional area but d nt specific resista		=	nces
	(A) $\varrho_1 + \varrho_2$		(B) $\frac{1}{2}$ ($\varrho_1 + \varrho_2)$	(C) $2(\varrho_1 + \varrho_2)$		(D) $\sqrt{\varrho_1\varrho_2}$	

Sample	e Question Papers	JLI I	NEST JUNIC	JR SCHOLARSHIPS 1EST
Q.20.	per milliampere and	voltage sensitivity is		nsitivity is 100 divisions rolt. In order that each series with the coil be
	(A) 10^3	(B) 10^5	(C) 99995	(D) 9995
Q.21.	O	•	*	d in a uniform magnetic nagnetic force acting on
	(A) irB	(B) 2π <i>irB</i>	(C) zero	(D) $\pi ir B$

Q.22. The magnetic induction at a point at large distance X on axial line of circular coil of small radius carrying current I is 100 gauss. The magnetic induction at distance 2x will be

- (A) 50 G (B) 100 G (C) 200 G (D) 400 G
- Q.23. Regarding electron which of the following is true

(i)
$$\frac{e}{m} = 1.7589 \times 10^{11} \, c/kg$$
 (ii) $e = -1.6 \times 10^{-19} c$ (iii) $m = 9.1 \times 10^{-31} \, gm$

- (A) Only (i) (B) all (i), (ii) & (iii) (C) (i) & (iii) (D) (i) & (ii)
- Q.24. The dimension of magnetic flux are

(A)
$$[m^1L^1T^2A^o]$$
 (B) $[m^1L^1T^2A^{-1}]$ (C) $[m^1L^2T^{-2}A^1]$ (D) $[m^1L^1T^2A^1]$

Q.25. The magnetic induction on the axial line of a short magnet at a distance certain distance is B. What is the magnetic induction on its equatorial line at twice the distance

(A) B (B) B/2 (C) B/4 (D) B/16

ANSWER KEY SECTION I PHYSICS

Q.	A.	Q.	A.	Q.	A.	Q.	A	Q.	A.
1	D	6	D	11	С	16	D	21	С
2	A	7	В	12	В	17	С	22	A
3	С	8	D	13	С	18	В	23	D
4	С	9	D	14	С	19	В	24	С
5	A	10	С	15	С	20	D	25	D

SECTION-I PHYSICAL SCIENCES (CHEMISTRY)

Q.1.	Isotopes have same number	of					
	(A) Protons	(B) Neutrons					
	(C) Nucleus	(D) Positions					
Q.2.	Number of orbitals present i	in third shell is					
	(A) 1	(B) 3					
	(C) 9	(D) 18					
Q.3.	Which of the following is the	e most electropositive element?					
	(A) Phosphorus	(B) Magnesium					
	(C) Aluminium	(D) Sulphur					
Q.4.	Which of the following mole	cules has trigonal planar geometry?					
	(A) BF_3	(B) NH_3					
Q.5.		ared by taking equal mole of CO and N_2 . If the total pressure of mosphere, the partial pressure of the nitrogen in the mixture is					
	(A) 0.5 atm	(B) 0.8 atm					
	(C) 0.9 atm	(D) 1 atm					
Q.6.	A base as defined by Bronsted theory, is a substance which can						
	(A) Accept proton	(B) Donate proton					
	(C) Lose a pair of electron	(D) Gain a pair of electron					
Q.7.	The Oxidation state of Cr in	$K_2Cr_2O_7$ is					
	(A) + 7	(B) +3					
	(C) + 6	(D) + 4					
Q.8.	Tyndall effect can be observe	ed in a					
	(A) Solvent	(B) Precipitate					
	(C) Colloidal solution	(D) Solution					
Q.9.	Which colour of light is devia	ated the maximum in the spectrum obtained with a prism?					
	(A) Red	(B) Yellow					
	(C) Violet	(D) Blue					

Q.10.	Which of the following prope	rties are shown by carbon dioxide?					
	(A) Turns lime water milky(C) It is colourless						
Q.11.	When current is plotted again origin is obtained, which of the	nst potential difference a straight line passing through the ne following laws is verified?					
	(A) Faraday's law (C) Ohm's law	(B) Maxwell's law (D) Joule's law					
Q.12.	The process of electrolysis is (A) Electrophoresis (C) Electrorefining	(B) Electroplating					
Q.13.	Bronze is an alloy of(A) Cu and Zn (C) Al and Zn	(B) Cu and Sn (D) Cu and Al					
Q.14.	Syngas is a mixture of						
	(A) $CO_2 + H_2$ (C) $CO + CO_2$	(B) $CO + H_2$ (D) $CO + N_2$					
Q.15.	The highest lattice energy corresponds to						
	(A) MgO (C) LiO	(B) CaO (D) BaO					
Q.16.	Borton compounds behave as	s Lewis acids, because of their					
	(A) Ionization property(C) Acidic nature	(B) Electron deficient nature (D) Covalent nature					
Q.17.	IUPAC name of $CH_2CH_2CH_2C$	$CH(CH_2)COCH_3$ is					
	(A) Isohexanone (C) Hexan-5-one	(B) Heptanone (D) 3-methylhexan-2-one					
Q.18.	The structure of benzene is						
	(A) Tetrahedral (C) Trigonal bipyramidal	(B) Planar (D) Linear					
Q.19.	In which of the following coreffect?	npounds, addition of HBr in presence of peroxide will have no					
	(A) 1 – butane (C) Isobutene	(B) 2 – butane (D) 2 – pentene					

Q.20. Which of the following organic compounds exhibits acidic character?

(A) $CH_3 - C = CH$

(B) $CH_3 - C = C - CH_3$

(C) $CH_2 = CH_2$

- (D) $CH_3 CH_3$
- Q.21. An Isomer of ethanol is -----

(A) Ethanal

(B) Dimethyl ether

(C) Diethyl ether

- (D) Methanol
- Q.22. Cyanide and isocyanide are isomers of type ------

(A) Tautomer

(B) Positional

(C) Structural

(D) Functional

Q.23. Where does the cellular respiration take place?

(A) Lysosomes

(B) Mitochondria

(C) Chlorophyll

(D) Ribosomes

Q.24. Which unicellular fungus shows budding?

(A) Mucor

(B) Yeast

(C) Amoeba

(D) None of these

Q.25. Ethanoic acid -----

(A) is colorless

(B) has a smell of ammonia

(C) has smell of rotten eggs

(D) has a vinegar like odour

ANSWER KEY TO SECTION-I -CHEMISTRY

Q.	A.	Q.	A.	Q.	A.	Q.	A.	Q.	Α
1	Α	6	A	11	C	16	В	21	Α
2	С	7	С	12	D	17	D	22	D
3	В	8	С	13	Α	18	В	23	В
4	Α	9	C	14	В	19	В	24	В
5	Α	10	D	15	В	20	A	25	D

Q.1. $\frac{1}{6}$, $\frac{1}{4}$, $\frac{1}{3}$, ... are in A.P. What is S_{10} .

SECTION-II MATHEMATICS

	(A) $\frac{7}{4}$	(B) $\frac{65}{12}$	(C) $\frac{4}{7}$	(D) $\frac{-65}{12}$				
Q.2.	what is k ['] if x =	= 4 is the soluti	on of the equati	$on 3x^2 + kx - 2 = 0$				
	(A) $\frac{21}{2}$	(B) $\frac{-21}{2}$	(C) $\frac{23}{2}$	(D) $\frac{-23}{2}$				
Q.3.			the probability	of the events the sum of the numbers on their				
	(A) $\frac{1}{8}$	(B) $\frac{7}{9}$	(C) $\frac{1}{6}$	(D) $\frac{1}{9}$				
Q.4.	If one root of t	he quadratic ec	$uation x^2 + 6x$	$+ k = 0$ is $h + 2\sqrt{6}$ what are the values of h				
	(A) $h = 3$, $k = 3$	(A) $h = 3$, $k = 15$						
	(C) $h = 3$, $k = 3$	= -15	(D) $h = -3$,	(D) $h = -3$, $k = -15$				
Q.5.	what is the dis	scriminant for x	$^2 - 6x + 7 = 0$					
	(A) 8	(B) -8	(C) 6	(D) -6				
Q.6.	The value of m	nean is 101 and	median is 100.	What is the value of mode.				
	(A) 89	(B) 87	(C) 98	(D) 78				
Q.7.								
	(A) $\frac{3}{16}$	(B) $\frac{5}{16}$	(C) $\frac{7}{16}$	(D) $\frac{1}{16}$				
Q.8.	The sum of the	e first 55 terms	of an A.P. is 330	00 what is 28 th term.				
	(A) 50	(B) 40	(C) 60	(D) None				
Q.9.	If $12x + 13y =$	= 29 , 13x + 13	2y = 21 what is	$x \times y$.				
	(A) -2	(B) 2	(C) 4	(D) -4				
Q.10.	What is the pr	obability that a	leap year has 5	3 Sundays?				
	(A) $\frac{2}{7}$	(B) $\frac{7}{12}$	(C) $\frac{3}{7}$	(D) $\frac{4}{7}$				
Q.11.	If the value of	the determinar	$\operatorname{nt} \begin{vmatrix} -3 & m \\ -6 & 9 \end{vmatrix} \text{ is } 2$	1. Find m.				
	(A) 4	(B) -8	(C) 8	(D) -4				

(A) 23

(A) $\sqrt{3}$

each other internally.

Q.14.

(B) 22

(B) $-\sqrt{3}$

Q.13. What is the slope of a line having its inclination 150°

What is the median if N = 30 , L = 20 , f = 10 C.F. =13 and h=10.

(C) 24

(C) $\frac{\sqrt{3}}{2}$

(D) 25

 $(D) \frac{-\sqrt{3}}{2}$

What is the distance between the two centers with distance 8 cm and 6 cm. if they touch

	(A) 1	(B) 2		(C) 3		(D) 4			
Q.15.	The volume of	a cube i	s 1000 (cm³. Wh	at is its	total su	rface area?		
	(A) 500 Sq. cm	1		(B) 550	00 Sq. cr	n			
	(C) 600 Sq. cm	1		(D) No:	ne				
Q. 16.	If Pvq is T and	(pvq) –	q is F, t	hen the	truth va	lues of	p and q are respectively		
	(A) T, T		(B) T, I	3	(C) F, T	,	(D) F, F		
Q.17.	$if A = \begin{bmatrix} a & 0 \\ 0 & a \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \\ a \end{bmatrix}$ then	A adj	A =					
	(A) a^3	(B) a ⁶		(C) a ⁹		(D) a ²⁷			
Q.18.	The principal solution of $\sqrt{3}$ secx + 2 = 0 are								
	$(A)\frac{\pi}{6},\frac{11\pi}{6}$	$(B)\frac{5\pi}{6}$	$\frac{7\pi}{6}$	$(C)\frac{\pi}{3}, \frac{2}{3}$	<u>2π</u> 3	(D) $\frac{5\pi}{3}$	$\frac{4\pi}{3}$		
Q.19.	The general so	olution fo	or cos3x	$x = \frac{1}{\sqrt{2}}$ is	;				
	(A) $2n\pi \pm \frac{\pi}{4}$		(B) nπ	+ (-1)1	$\frac{\pi}{4}$				
	$(C)^{\frac{n\pi}{2}} \pm (-1)^{r}$	$\frac{\pi}{12}$	(D) $\frac{2n\pi}{3}$	$\pm \frac{\pi}{12}$					
Q.20.	In $\triangle ABC \frac{\sin B}{\sin A}$	<u>-B)</u> =							
	(A) $^{a}/_{b}$		(B) $^{c}/_{b}$	ı	(C) b/c		$(D)\frac{b}{a+b}$		
Q.21.	$\sin^{-1}\left(\frac{8}{17}\right) + s$	$ in^{-1} \left(\frac{3}{2} \right) $	₅) =						
	(A) 1	(B) 0		(C) tan	$-1\left(\frac{77}{36}\right)$		$(D) \sin^{-1}\left(\frac{17}{5}\right)$		

- The equation $(x + y)^2 (x^2 + y^2)$ represents Q.22.
 - (A) a circle
- (B) two lines (C) two parallel lines
- (D) two mutually perpendiculars lines
- Q.23. The gradient of one of the lines $ax^2 + 2hxy + by^2 = 0$ is twice that of the other then
 - (A) $h^2 = ab$
- (B) h = a + b
- (C) $8h^2 = 9ab$ (D) $9h^2 = 8ab$
- Q.24. The equation to the pair of lines through (1,-1) and perpendicular to the pair of lines

$$x^2 - xy - 2y^2 = 0$$

- (C) $x^2 xy + 2y^2 5x y = 0$
- (A) $2x^2 xy + y^2 + 5x + y + 2 = 0$ (B) $2x^2 xy y^2 5x y + 2 = 0$ (C) $x^2 xy + 2y^2 5x y = 0$ (D) $2x^2 xy y^2 + 5x + y 2 = 0$
- If $ax^2 y^2 + 4x y = 0$ represents a pair of lines, then a = 0Q.25.
 - (A) 16
- (B) 16
- (C) 4
- (D) 4
- Q.26. Area of triangle formed by the lines $x^2 y^2 = 0$ and x + 8 = 0 is
 - (A)32
- (B) 64
- (C)31
- (D) 65
- Q.27. If the position vectors of the vertices of a triangle be
 - $2\hat{\imath} + 4\hat{\jmath} \hat{k}$, $4\hat{\imath} + 5\hat{\jmath} + \hat{k}$ and $3\hat{\imath} + 6\hat{\jmath} 3\hat{k}$ then the triangle is
 - (A) Right angled
- (B) Isosceles
- (C) Equilateral
- (D) Right angled isosceles
- The angle between the vector's $\bar{a} + \bar{b}$ and $\bar{a} \bar{b}$ when $\bar{a} = \hat{i} + \hat{j} + 4\hat{k}$, $\bar{b} = \hat{i} \hat{j} + 4\hat{k}$ is Q.28.
 - $(A)\frac{\pi}{2}$

- (B) $\frac{\pi}{4}$ (C) $\frac{\pi}{6}$ (D) $\frac{\pi}{3}$
- Q.29. Let \propto , β , γ be distinct real numbers. The points with position vectors

$$\propto \hat{i} + \beta \hat{j} + \gamma \hat{k}, \beta \hat{i} + \gamma \hat{j} + \alpha \hat{k}, \gamma \hat{i} + \alpha \hat{j} + \beta \hat{k}$$

- (A) Are collinear
- (B) form an equilateral triangle
- (C) for a right angled triangle (D) form a scalene triangle
- The volume of parallelepiped whose co-terminus edges are $\bar{a}=\hat{\imath}+\hat{\jmath}$, $\hat{b}=\hat{\jmath}+\hat{k}$, $\hat{c}=\hat{k}+\hat{\imath}$ is Q.30.
 - (A) 1 Cu. units
- (B) 9 Cu. units
- (C) 4 Cu. units
- (D) 2 Cu. units
- Q.31. If $\bar{a} \cdot \hat{i} = 4$ then $(\bar{a} \times \hat{j}) \cdot (2\hat{j} 3\hat{k}) =$
 - (A) 12
- (B) 2
- (C) 0
- (D) -12

Q.32.	The line make	s angles ∝, β, γ v	vith the co-ordi	nate axes if ∝ +	$-\beta = 90^{\circ}$ then $\gamma =$
	(A) 0	(B) 90°	(C) 180°	(D) 315°	
Q.33.	Perpendicular	r distance of the	point (3, 4, 5)	from y axis is	
	$(A) \sqrt{34}$	(B) $\sqrt{4}$	1	(C) 4	(D) 5
Q.34.	The angle bety	ween a diagonal	of a cube and the	he diagonals of	a face of the cube is
	$(A) \cos^{-1} \left(\frac{1}{\sqrt{3}} \right)$	(B) cos	$s^{-1}(^{2}/_{3})$		
	(C) $\cos^{-1}\left(\sqrt{2}\right)$				
Q.35.	If the lines $\frac{x-1}{-3}$	$\frac{1}{2} = \frac{y-2}{2k} = \frac{z-3}{2},$	$\frac{x-1}{3k} = \frac{y-5}{1} = \frac{z-5}{-1}$	$\frac{-6}{5}$ are right ang	le then k =
	(A) -10	(B) $\frac{10}{7}$	(C) $-\frac{10}{7}$	(D) $\frac{-10}{7}$	<u>)</u>
Q.36.	In ΔABC,∠B =	: 30°,∠C = 60°	If BC = $10\sqrt{3}$ cr	n. then $\ell(AB)=$?
	(A) $5\sqrt{3}$ cm	(B) 15 cm	(C) 7.5 cm	(D) 10 cm	
Q.37.	In which type	of triangle does	s the circumcen	tre, orthrocentr	re and in centre lies on a line?
	(A) An acute a (C) A right ang	ngle triangle gled triangle	• •	isosceles triang obtuse angled	
Q.38.	A(k,5),B(-1 CD?	,3), C(-2,4) and	l D(3, –6). Wha	t is the value of	k is line AB is parallel to line
	(A) 1	(B) 2	(C) -2	(D) 3	
Q.39.	The diameter area?	of the base of co	one is 14 cm an	d its height is 24	4 cm. what is its curved surface
	(A) 528 cm ²	(B) 1046 cm ²	(C) 550 cm ²	(D) 1100 cm ²	
Q.40.	The volume of is.	parallelepiped	whose co-term	inous edges are	$\bar{a} = i + j$, $\bar{b} = \bar{j} + \bar{k}$, $\bar{c} = \bar{k} + i$
	(A) 1 Cu. units	(B) 9 Cu. units	(C) 4 Cu. units	(D) 2 Cu. units	;
Q.41.	What is the co	efficient of x^{-3} i	$\sin\left(x-\frac{1}{2x}\right)^5$		
	(A) $\frac{5}{16}$	(B) $\frac{-5}{16}$	(C) $\frac{3}{16}$	(D) none	

Q.42. What is the value of $\lim_{x\to 1/a} \frac{a^4x^4-1}{a^3x^3-1}$

(A) $\frac{3}{4}$

(B) $\frac{-3}{4}$ (C) $\frac{5}{3}$

(D) $\frac{4}{2}$

Q.43. What is $\left(\frac{d2y}{dx^2}\right)_{\theta} = \pi/2$ if $x = \sin\theta$, $y = \sin^3\theta$

(A) 4

(B) 6

(C) -6

(D) -4

Q.44. What is the maximum value of $f(x) = x^2 e^x$.

(A) $\frac{2}{a^2}$

(B) $2e^2$ (C) $\frac{4}{e^2}$

(D) $4e^{2}$

Q.45. what is $\int \frac{1}{\sin^2 x \cdot \cos^2 x} dx$

(A) tanx + cosx + c (B) tanx - cosx + c

(C) tanx

(D) none

Q.46. what is the value of $\int_0^{\pi/2} \sin^2 x \cos^2 x \, dx$

(A) $\frac{2}{15}$ (B) $\frac{-2}{15}$ (C) $\frac{3}{15}$ (D) $\frac{-3}{15}$

Q.47. what is the order and Degree $\sqrt{1 + \frac{1}{\left(\frac{dy}{dx}\right)^2}} = \left(\frac{d^2y}{dx^2}\right)$

(A) order = 2, degree = 3 (B) order = 3, degree = 3

(C) order = 3, degree = 2

(D) none

Q.48. What is the integrating factor of $ydx + (x - y^2)dy = 0$

(A) y

(B) -y

(C) x

(D) -x

Q.49. $X \sim B(n = 10, P)$ If E(X) = 8 what is P.

(A) 0.7

(B) 0.8

(C) 0.9

(D) 0.7

Q.50. $x^5y^7 = (x + y)^{12}$ then $\frac{dy}{dx}$ is

(A) $\frac{x}{y}$ (B) $\frac{y}{x}$ (C) $\frac{-x}{y}$ (D) $\frac{-y}{x}$

ANSWER KEY SECTION-II MATHS

Q.	A.								
1	В	11	С	21	С	31	D	41	A
2	D	12	В	22	D	32	В	42	D
3	С	13	В	23	С	33	Α	43	В
4	D	14	A	24	В	34	С	44	С
5	A	15	С	25	В	35	D	45	В
6	С	16	В	26	В	36	В	46	A
7	Α	17	С	27	D	37	В	47	A
8	С	18	В	28	A	38	С	48	A

SET 1

9	В	19	D	29	В	39	С	49	В
10	A	20	С	30	D	40	Α	50	В

SECTION-II BIOLOGY

Q.1.	DNA is absent in.		-	<u> </u>	<u>51</u>	
	(A) Root of hair (B) Spermatozoa		(C) Ma (D) Ov	tured Ri um	ВС	
Q.2	Globulin in human blo	ood is use	ful for			
	(A) Osmotic balance (B) Transport of O ₂			fence Mo	echanism blood	
Q.3	Lymph consists					
	(A) plasma without p (B) no plasma	rotein			re WBC's and No RBC ore RBC's and No WBC's	
Q.4	Hemoglobin of health	y man is		gm:	s/100ml. of blood.	
	(A) 5-10 gms/100 ml (B) 20-30 gms/100 m				/100 ml. /100 ml.	
Q.5	Uricotelic animals are	2.				
	(A) Lizard, parrot and (B) Rohu, Frog	l cockroa	ch		(C) man, monkey, cattle (D) Shark, Mollusca	
Q.6	Flame cells are excretory organs of.					
	(A) prawn (B) planaria	(C) silve (D) frog				
Q.7	Largest cranial nerve	is				
	(A) optic (B) oculomotor		(C) vag (D) fac			
Q.8	Exocrine glands secre	etes				
	(A) Hormone(B) Enzymes	(C) Wax (D) Wat	-			
Q.9	Chemically hormones	are				
	(A) Amines, proteins,(B) Vitamins, Steroids				zymes, carbohydrates bohydrates lipids	

Q.10	Which of the following are NOT a function of Insulin		
	(A) Control of diabetes(B) Control of blood sugar	(C) Control of blood cells(D) Control of glycosuria	
Q.11	An example of Autonomous I	Nervous System is	
	(A) Action of chewing of food (B) Action of eye-lids	(C) Action of knee-jerk (D) Peristalsis of Intestines	
Q.12	Acromegaly is an example of	hypersecretion of	
	(A) STH (B) TSH	(C) ACTH (D) FSH	
Q.13	Length of Wolffian duct is		
	(A) 40 cms. (B) 4 meters.	(C) 60 cms. (D) 6 meters	
Q.14	Gland of TYSON is present _		
	(A) In the neck of penis(B) In the neck of ovary	(C) In the urethra (D) In the uterus	
Q.15	Human egg is		
	(A) Alecithal (B) Megalecithal	(C) Microlecithal (D) Telolecithal	
Q.16	Horse shows adap	tations	
	(A) Cursorial (B) Fossorial	(C) Aerial (D) Terrestrial	
Q.17	Fossorial adaptations are pre	esent in	
	(A) Horse (B) Rat	(C) Cat (D) Goat	
Q.18	Modern self assembly theory	is put forth by	
	(A) Fox and Dose (B) Mendel	(C) Darwin (D) Oparin	

Q.19	Earth was originated about	years ago				
	(A) 1 Billion (B) 3 Billion	(C) 4.6 Billion (D) 4.6 Million				
Q.20	Struggle between cattle and cattle is	struggle				
	(A) Inter-specific(B) Intra-specific	(C) Environmental (D) Co-operative				
Q.21	Human external muscles are					
	(A) Useful organs (B) Harmful organs	(C) Vestigial organs(D) Hearing organs				
Q.22	Autosomes are responsible for					
	(A) Sex determination(B) Determination of Sex linkage	(C) Determination of book characters(D) Determination of genes				
Q.23	Primary constriction on chromosome	e is				
	(A) Chromatin (B) Chromomere	(C) Centromere (D) Telomere				
Q.24	In birds sex determination takes place by heterogametic					
	(A) Male (B) Female	(C) Both Male and Female (D) Autosomes				
Q.25	In poultry farm determination of mal	e and female takes place by.				
	(A) Walking method(B) Went method	(C) Sound method (D) Crown method				
Q.25	In poultry farm determination of male and female takes place by.					
	(A) Walking method (B) Went method	(C) Sound method (D) Crown method				
Q.26	VNTRs is a					
	(A) Variable Number of Tandem Reco					
Q.27	DNA Amplification is No of	FDNA				
	(A) Decreasing (C) Fragmenta (B) Increasing (D) Destroying					

Q.28 Physiological barrier is a example of							
	(A) Acquired Immunity (B) Innate Immunity		(C) Specific Immunity (D) Non Immunity				
Q.29	Killer T-cells are	Killer T-cells are					
	(A) Helpful Cells (B) Cytotoxic Cells		(C) Memory Cells (D) Suppressor Cells				
Q.30	Nili is an example of						
	(A) Cattle (B) Sheep	(C) Goat (D) Buffalo					
Q.31	In beehive drones are						
	(A) Female bee (B) Worker bee		een bee				
Q.32	Pollination by Honeyb	ee is	pollination				
	(A) Anemophilous(B) Entomophilous						
Q.33	Osmoregulation mostl	y takes place in					
	(A) Henle's loop (B) PCT		(C) DCT (D) Collecting Tubule				
Q.34.	Volume of Brain (Cran	ial capacity) is					
	(A) 1000 – 1200 c.c. (B) 1200 – 1300 c.c		00 – 1500 c.c 00 – 1700 c.c				
Q.35.	Gemmule formation ta	kes place amor	g				
	(A) Hydra (B) Fish	(C) Wa (D) Fro	ter sponges ogs				
Q.36.	Minamata Disease is ca	aused by					
	(A) Sodium (B) Chlorine	(C) Me (D) Mir	rcury nerals salts				

Q.37. Great Indian Bustard is a example of						
	(A) Rare species(B) Vulnerable species	(C) Indeterminate species(D) Useful species				
Q.38.	Sacculina is parasite lives of	n				
	(A) Man	(C) Crass				
	(B) Dogs	(D) Sea anemone				
Q.39.	Relation between two partr	ner's in which both the partners are benefited is called as				
	(A) Mutualism	(C) Parasitism				
	(B) Commensalism	(D) Predators				
Q.40.	Difference between organis	ems of same species is called as				
	(A) Compitition	(C) Natural selection				
	(B) Variation	(D) Population				
Q.41.	Treponema pallidum causes					
	(A) Gonorrhoea	(C) Dermatophytosis				
	(B) Birth control	(D) Syphilis				
Q.42.	Long form of IUCD is					
	(A) Intra Uterine contraceptive Device					
	(B) Indian union community Development					
	(C) International union community Development(D) International union commutative Development					
	(D) international union con	initiative Development				
Q.43.	Aerosome consist enzyme					
	(A) Permease	(C) Hyaluronidase				
	(B) Hydrolygase	(D) Transacetylase				
Q.44.	Ovulation takes place on day of menses					
	(A) 5 th day	(C) 28th day				
	(B) 14 th day	(D) 9th day				
Q.45.	Peptide hormone Thymasir	n is secreted by				
	(A) Thyroid gland	(C) Adrenal gland				
	(B) Thymus gland	(D) Parathyroid gland				

Q.46.	Organs	of corti	are	present in
Q. 10.	Organis	OI COI CI	ui c	present m

- (A) eye-retinal membrane
- (C) Cochlea of ear
- (B) Semicircular canal
- (D) eye- Sclerotic layer
- Q.47. Baroreceptor is -----
 - (A) Heart

(C) Wall of carotid body

(B) Skin

- (D) Kidney
- Q.48. Afferent Neurons are called as
 - (A) Motor Neuron
- (C) Receptor Organs
- (B) Mixed Neuron
- (D) Sensory Neuron
- Q.49. Shellac is ----- form of lac
 - (A) Natural

(C) artificial

(B) Pure

- (D) Contaminated
- Q.50. Most popular Indian carp is
 - (A) Rohu

(C) Mrigal

(B) Cutla

(D) eels

ANSWER KEY SECTION II BIOLOGY

Q.	A.								
1	С	11	D	21	С	31	С	41	D
2	С	12	A	22	С	32	В	42	A
3	С	13	D	23	С	33	A	43	С
4	D	14	Α	24	В	34	С	44	В
5	A	15	С	25	В	35	С	45	В
6	В	16	Α	26	С	36	С	46	С
7	С	17	В	27	В	37	A	47	С
8	В	18	Α	28	В	38	С	48	D
9	A	19	С	29	В	39	A	49	В
10	С	20	В	30	D	40	В	50	A

SECTION-III ENGLISH LANGUAGE

Directions (Qs, 1.-10): Choose the most appropriate alternatives to complete/correct the following sentences.

1.	He gave	a beautiful gift on Mother's Day.
	(a) (b) (c) (d)	his mother to his mother for his mother at his mother
2.	How can y invitation	you say that you didn't receive the invitation card? I on Sunday the card
	(a) (b) (c) (d)	gave you gave to you gave it to you I had given you
3.	She	a big surprise.
	(a) (b) (c) (d)	(a) gave to me(b) gave for me(c) gave me(d) gave at me
4.	Mongoose	bit snake.
	(a) (b) (c) (d)	mongoose bit the snake the mongoose bit snake The mongoose bit a snake the mongoose bit a snake
5.	Teacher p	raised student
	(a) (b) (c) (d)	Teacher praised the student The teacher praised the student The teacher praised student the teacher praised the student

6.	She is bus	sy right now c	on the computer.
	(a) (b)	She works She is work	
	(c)	She working	
	(d)	She is working	
7.	My father	the Chief Gues	st well.
	(a)	is Know	
	(b)	Knows	
	(c) (d)	is Knowing Know	
8.	When	her last ?	
	(a)	you met	
	(b)	did you met	
	(c)	did you meet	
	(d)	did you meted	
9.		_ like coffee ?	
	(a)	Does you	
	(b)	Are you	
	(c) (d)	Do you you	
10	. She doesn	n't like chocolate,	<u> </u>
	(a) doesn't she?	
	(1	b) does she?	
		(c) isn't it?	
	((d) isn't she?	
	=		ch sentence will complete the sentence correctly. Choose
the	<u>e correct a</u>	<u>llternative.</u>	
11	. If we	now, we would miss	the last train.
	•	ı) won't start	
		o) don't start	
		r) wouldn't start I) didn't start	
	1 (1	a anun calait	

12.	You	cross the road when the lights are red.
		(a) can
		(b) must (c) mustn't
		(d) needn't
13.	I'm rigl	nt,?
		(a) amn't I
		(a) aren't I
		(b) isn't it
		(c) am I
14.	Look a	nt
		(a) aeroplanes in sky
		(b) aeroplanes in the sky
		(c) the aeroplanes in the sky (d) the aeroplanes in sky
		(a) the decoplaines in sky
15.	She gav	ve him he wanted
		(a) that
		(b) that which
		(a) (c) that what
		(c) what
16.	Amart	ya Sen the Nobel prize for Economics in 1998.
		(a) awarded
		(b) is awarded
		(c) was awarded
		(d) has been. awarded
17.	I wish	I in Mauritius now.
		(a) am
		(b) was (c) am being
		(d) have been

18. If I	it, I couldn't have believed it.
	(a) don't see
	(b) didn't see
	(c) havent't seen
	(d) hadn't seen
10 Id. d.	
19. It's tin	ne we
	(a) leave
	(b) left
	(c) would leave
	(d) (d)should leave
	(a) (a)sincula louve
20. I	their offer if I were you.
	(a) will accept
	(a) would accept
	(b) accept
	(c) accepted
21. I have	e never seen him cheerful.
	(-)
	(a) so
	(b) as
	(c) such
	(d) like
22. Have s	some more rice,?
	(-)
	(a) will you
	(b) won't you
	(c) don't you
	(d) haven't you
23. I'm ju:	st going out, so I can't stop
	(a) to talls
	(a) to talk
	(b) talking
	(c) talk
	(d) for talking

24. He dev	votes his free time stamps.
	(a) to collect(b) collecting(a) for collecting(c) to collecting
25. I must	gothis afternoon.
	(a) shopping(b) shop(c) to shopping(d) for shopping
Choose th	e correct alternatives In the following:
26. Which	of the following are not parts of speech?
B. C. D.	Noun Verb Adverb Preposition Conjunction Interjection (a) a, b, c and d (b) e and f (c) All of the above (d) None of the above
	are just a group of related words that do not express a complete thought. They do not subject and predicate pair.'
The ab	ove points refer to:
	(a) Sentences(b) Phrases(c) Conjunctions(d) Prepositions
28. Usuall	y takes a singular verb.
	(a) Proper Noun(b) Common Noun(c) Collective Noun(d) Abstract Noun

29.	is the study of touching as non-verbal communication.
	(a) Non-Verbal
	(b) Prosodic
	(c) Touches
	(d) Haptics
30.	A/n is a word which connects words, phrases, clauses or Sentences.
	(a) Interjection
	(b) Conjunction
	(c) Preposition(d) Adjective
31.	The process of interpretation is known as
	(a) encoding
	(b) receiving
	(c) decoding
	(d) sending.
32.	is the foundation of language learning which is essential for effective communication.
	(a) Thesaurus
	(b) Grammar
	(c) Vocabulary
	(d) Lexicon
33.	In the sentence, "While cleaning up the mess, Jughead dumped all the coke-cans into the trashbin.", is the object of preposition 'into' (receiver of the action)
	(a) While
	(b) Jughead
	(c) Coke-cans (a) Trash-bin
	(a) 11a311-0111
34.	are the words, which tell us about the relations of the nouns, pronouns, and adjective in a sentence.
	(a) Conjunctions (b) Interjections
	(b) Interjections(c) Prepositions
	(d) Adverbs

35	is also called as 'Reported Speech'.
	(a) Informal Speech(b) Formal Speech(c) Indirect Speech(d) Direct Speech
36. A	indicates. the action done by the subject
	(a) Verb(b) Adjective(a) Adverb(c) Noun
37	add more meaning to the verb, adjective; or another adverb in a sentence.
	(a) Nouns(b) Pronouns(c) Adverbs(d) Adjectives
(a) Informal Speech (b) Formal Speech (c) Indirect Speech (d) Direct Speech 36. A indicates. the action done by the subject (a) Verb (b) Adjective (a) Adverb (c) Noun 37 add more meaning to the verb, adjective; or another adverb in a sentence. (a) Nouns (b) Pronouns (c) Adverbs (d) Adjectives Put the verbs in their correct forms: 38. It (rain) in the West the next night, (a) will rain (b) would rain (c) rains (d) rained 39. We (ride) our bike soon. (a) ride (b) rode (c) rides (d) will ride 40. My father (clean) his car. It still looks dirty. (a) will clean (b) would clean (b) would clean (b) would clean	
38. It	(rain) in the West the next night,
	(b) would rain (c) rains
39. We _	(ride) our bike soon.
	(b) rode (c) rides
40. My fa	ather(clean)his car. It still looks dirty.

Put the following fragments in the correct order to make a sensible sentence.

41. The teacher / collects / the homework / every morning.

3

1

2

- (a) 1, 3, 4, 2
- (b) 1, 2, 3, 4
- (c) 1,4, 1, 2
- (d) 3, 4, 2, l

42. now / the question / answering / we are.

1

2

3

4

- (a) 1,3,4,2
- (b) 1,2,3.4
- (c) 1, 4, 3, 2
- (d) 3, 4, 2, 1

43. never / my cat / in my bed / sleeps.

1

2

3

4

- (a) 1, 3, 4, 2
- (b) 1, 2, 3. 4
- (c) 2,1, 4,3
- (d) 3, 4,2,1

Select the correct alternatives from the following.

44. If you drove from Mumbai to Delhi,

- (a) which way will you go?.
- (b) which way would you go?
- (c) which way would you have gone?
- (d) None of the above.

45. If you wait a minute,

- (a) I'll go with you.
- (b) I'd go with you.
- (c) I'd have gone with you.
- (d) I must have gone with you.

46. You would have slept much better _____

- (a) if you'll take your medicine.
- (b) if you took your medicine.
- (c) If you'd taken your medicine.
- (d) All the above.

- 47. People said, "The President is ill."
 - (a) People say that the President is ill.
 - (b) People said that the President is ill.
 - (c) People said. that the President was ill.
 - (d) People said that the President would be ill.
- 48. The mechanic has not repaired the DVD recorder.
 - (a) The DVD has not been recorded by the mechanic.
 - (b) The DVD recorder has already been repaired by the mechanic.
 - (c) The DVD recorder was not repaired by the mechanic.
 - (d) The DVD recorder has not been repaired by the mechanic.
- 49. Sue puts the rucksack on the floor.
 - (a) The floor is not put on the rucksack by Sue.
 - (b) Toe rucksack was put on the floor by Sue.
 - (c) Sue is put on the floor by the rucksack.
 - (d) The rucksack is put on the floor by Sue.
- 50. The teacher is not going to teach you now.
 - (a) The teacher has not been teaching you now.
 - (b) The teacher has not taught now.
 - (c) You are not being taught by the teacher now.
 - (d) You are not going to be taught by the teacher now.

ANSWER KEY TO SECTION-III - ENGLISH LANGUAGE

1	A	11	В	21	A	31	С	41	В
2	С	12	С	22	В	32	В	42	С
3	С	13	A	23	D	33	A	43	С
4	С	14	С	24	С	34	A	44	В
5	В	15	С	25	D	35	С	45	A
6	D	16	С	26	D	36	A	46	С
7	В	17	В	27	В	37	С	47	С
8	С	18	D	28	С	38	A	48	D
9	С	19	В	29	D	39	D	49	D
10	В	20	В	30	В	40	С	50	D

SECTION-IV REASONING

Q.1. What is the missing letter?

 $Z\,Y\,A\,\,{}_{-}\,B\,W\,C$

- (A) D
- (B) X
- (C) P
- (D) T
- Q.2. What number continues the series?

1/4, 1/2, 3/4, _

- (A) 1
- (B) $\frac{5}{4}$
- (C) $\frac{3}{2}$
- (D) $\frac{2}{3}$
- Q.3. Cross out the word that does not fit in with others.
 - (A) I
- (B) you
- (C) it
- (D) her
- Q.4. The figure that can be formed from the pieces



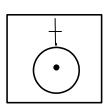


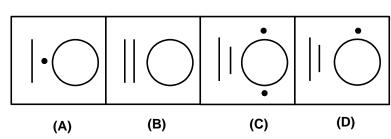


is

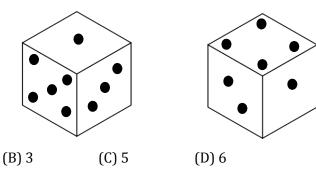
(A)

- (B)
- (C)
- (D)
- Q.5. Which of the following alternatives will exactly make up the key figure?





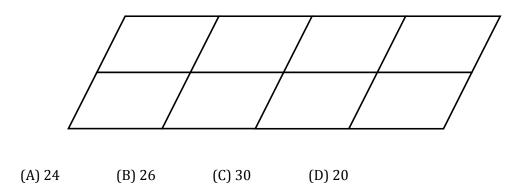
Q.6. Two positions of a dice are shown below. When there are two dots at the bottom, the number of dots at top will be



- Q.7. A cube painted green on all faces is cut into 27 small cubes of equal sizes. How many cubes are painted on one face only?
 - (A) 1

(A) 2

- (B)6
- (C) 8
- (D) 12
- Q.8. How many parallelograms are there in the following figure.

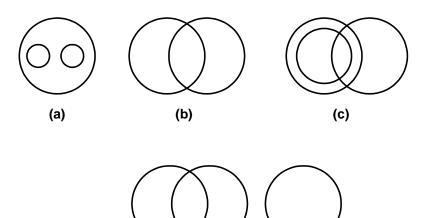


- Q.9. Which of the following statements are facts?
 - 1. Peacock is a beautiful bird.
 - 2. There are twelve months in a year.
 - 3. There are seven stages of human life.
 - 4. A thing of beauty is joy forever.
 - (A) 1 and 2
- (B) 2 only
- (C) 2 and 4
- (D) all four
- Q.10 Examine each inference separately in the context of the passage.

Rabies is a disease transmitted to man and animals through the bite of a rabies infected animal, most commonly by dogs. It is caused by a virus present in the saliva of the infected animal which gets deposited in the wound of the bite victim, multiples and travels towards brain and spinal cord. If not treated, about half of such cases develop rabies. Very few

laboratory tests are available for the diagnosis of rabies in India. Precautionary measures include prompt washing of the dog bite wound with soap and water. The wound is also treated with cetavlon: tincture of iodine or spirit.

- Q.10. The governments and local bodies should expedite measures to catch and kill stray dogs as a preventive measure
 - (A) Definitely false
- (B) Definitely true
- (C) Probably false
- (D) Data in adequate
- Q.11. Rabies are be transmitted from any animal to the other through open cuts and wounds
 - (A) Definitely false
- (B) Definitely true
- (C) Probably false
- (D) Data in adequate
- The bite of rabies infected animal to a healthy animal definitely results in spread of rabies.
 - (A) Definitely true
- (B) Probably true
- (C) Definitely false
- (D) Data in adequate
- Q.13. The saliva of the house dogs should be periodically tested for the detection of rabies
 - (A) Probably true
- (B) Probably false
- (C) Definitely true
- (D) Data in adequate
- Q.14. Western countries have well equipped laboratory tests to detect rabies.
 - (A) Definitely false
- (B) Data in adequate (C) Probably true
- (D) Definitely true
- Which of the following diagrams correctly represents Elephants, Wolves, Animals?



(d)

Q.16.	What is related to Graduate in the same way as Cassock is related to Priest?								
	(A) Cap	(B) Tie	(C) Coast	(D) Gown					
Q.17. Q.18. Q.20. Q.21. Q.22.	Reena is twice as old as Sunita. Three years ago, she was three times as old as Sunita. How old is Reena Now?								
	(A) 6 years	(B) 7 years	(C) 8 years	(D) 12 years					
Q.18.	19,2,38,3,114,4	?							
	(A) 228	(B) 256	(C) 352	(D) 456					
Q.19	If Kamal says, "Ravi's Ravi?	mother is the only dau	ighter of my mother"	, How is kamal related to					
	(A) Father	(B) Grand Father	(C) Brother	(D) None of these					
	Rohit, Kunal, Ashish school and one near thindi, Mathematics sanother is weak in all only while Kunal is w	it. Two study in class I social science and science an	ts of a school. Thre V, one in class V and ence. One is good at far from the school aly and stays close to	e of them stay far from the lone in class VI. They study all the four subjects while and is good at mathematics the school. Neither of these jects studies in class V.					
Q.20.	Name the boy who is good at all the subjects.								
	(A) Rohit	(B) Kunal	(C) Ashish	(D) John					
Q.21.	Name the boy who is	weak in all the subject	S						
	(A) Rohit	(B) Kunal	(C) Ashish	(D) John					
Q.22.	Which two boys are g (A) Rohit and Kunal (C) Ashish and John	ood at Hindi? (B) Kunal and (D) John and							
Q.23.	Which two boys are g (A) Rohit and Ashish (C) John and Ashish		1						

Q.24. Other than Rohit and the boy good at all the subjects, who else stays far from the school?

(A) Rohit

(B) Kunal

(C) Ashish

(D) John

Q.25. P is 300 km eastward of O and Q is 400 km north from O. R is exactly in the middle of Q and P. The distance between Q and R is

(A) 250 km

(B) $250 \sqrt{2} \text{ km}$

(C) 300 km

(D) 350 km

ANSWER KEY TO SECTION-IV - REASONING

Q.	A.								
1	В	6	В	11	В	16	D	21	D
2	A	7	В	12	A	17	D	22	В
3	D	8	С	13	D	18	D	23	A
4	A	9	В	14	В	19	D	24	D
5	D	10	D	15	A	20	С	25	A

SECTION-V GENERAL KNOWLEDGE

Q.1.	"Inning" is associated with which of the following games?								
	(A) Cricket	(B) Baseball	(C) Polo	(D) Hoc	key			
	(Note: The term " INI	NINGS" is used ii	n cricket)						
Q.2.	If 4th Jan 2008 falls or	n Friday. What d	lay will fall	on 4th Jan, 2009?					
	(A) Friday	(B) Saturday	(C) Sunday	(D) Mon	day			
Q.3.	The international syr	nbol of the awar	eness of w	hich disease is the "I	RED RIBB	ON"?			
	(A) Cancer	(B) Aids		(C) Hepatitis	((D) Swine flu			
Q.4.	Who was the first bat	sman to be give	n out by th	ne "Third Umpire"?					
	(A) Sachin Tendulkaı (C) Wasim Akram		(B) Brain (D) Moha	ı Lara ammed Azharuddin					
Q.5.	"D I E T" is the parlia (A) South korea		ountry? ermany	(C) Japan	((D) Vietnam			
Q.6.	At what temperature	celcius is same	as Fahrenl	neit?					
	(A) -10	(B) - 20		(C) – 30	((D) – 40			
Q.7.	Which is the latest co	untry on the wo	orld map?						
	(A) East Timor	(B) Maldives	(C) South sudan	((D) Siberia			
Q.8.	P A N stands for:								
	(A) Pure Account Nu (C) Data Insufficient	mber		onal Account Number nanent Account Num					
Q.9.	Which English alphal (A) M	oet should come (B) N	=	ce marked (?) A, C, F, C) O	J, ? (D) P				
Q.10.	Who is the author of	the book "India	Wins"						
	(A) Pandit Jawaharla (C) Abdul Kalam Aza			ndra Prasad atma Gandhi					
Q.11.	Which of the followir (A) Natural Gas	ng Natural Resou (B) Coal		exhaustible? C) Iron Ore	(D) Sola	r Energy			
Q.12.	Lactometer measure	s the density of							
	(A) Water	(B) Oil	(C) Alcohol	(D) Milk				

Q.13.	"B A H A I" Temple is located IN:								
	(A) Bengaluru	(B) Chennai	(C) Lucknow	(D) Delhi					
Q.14.	Who is the first spo	ortsperson to be conf	erred "Khel Ratna"?						
	(A) Sachin Tendulk (C) Vishwanathan	=	B) Maru khan D) Gagan Narang						
Q.15.	Which of these is a (A) Doors	computer Operation (B) Porches	System? (C) Gates	(D) Windows					
Q.16.	Who is your patern	al grandfathers daug	ghter – in – law?						
	(A) Sister	(B) Daughter	(C) Nieca	(D) Mother					
Q.17.	How many minutes	s are there in a day?							
	(A) 1440	(B) 1480	(C) 1880	(D) 1240					
Q.18.	What is the capital	of Maldives?							
	(A) Port Blair	(B) Mali	(C) Male	(D) Malta					
Q.19.	Who wrote the son	g " Saare Jahan se Ac	hchha ?						
	(A) Allama Iqbal (C) Rabindernath T	•	B) Mirza Ghalib D) None of these						
Q.20.	What is the place o (A) Synagogue	f workship of Jews ca (B) Fire Temple	alled? (C) Vihar	(D) Church					
Q.21.	FIFA World Cup 20	22 will be held in:							
	(A) Russia	(B) Qatar	(C) Kuwait	(D) Oman					
Q.22.	Which of the follow	ving award was confe	erred on airhostess Neerja	a Bhanot?					
	(A) Ashok Chakra (C) Param veer cha	•	B) Veer Chakra D) Maha veer chakra						
Q.23.	Which of the follow computers?	ving two numbers to	gether form the 'Binary La	anguage" used in					
	(A) 0 & 9	(B) 143	(C) 0 & 1	(D) 1 & 2					
Q.24.	"Playing it my way"	" is the auto biograph	ny of which cricketer?						
	(A) Kapil Dev	(B) Sunil Gavask	ar (C) Brain Lara	(D) Sachin Tendulkar					

Q.25. On which of the following date "Constitution Day" is celebrated in India?

(A) 26 November

(B) 26 January

(C) 06 December

(D) 2nd October

ANSWER KEY TO SECTION-V - GENERAL KNOWLEDGE

Q.	A.								
1	В	6	D	11	D	16	D	21	В
2	С	7	С	12	D	17	A	22	A
3	В	8	В	13	D	18	С	23	С
4	A	9	С	14	С	19	A	24	D
5	С	10	С	15	D	20	A	25	A