CHEMISTRY

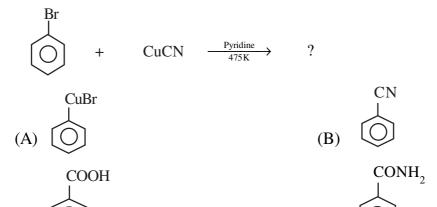
1.	Heating pyrites to remove sulphur is called						
	(A)	Roasting	(B)	Smelting			
	(C)	Calcination	(D)	Liquation			
2.	Wha	at is the other name for the d-block elen	nents	?			
	(A)	Representative elements	(B)	Transition elements			
	(C)	Inner transition elements	(D)	Transuranium elements			
3.	The	solubility product of AgBr is 3.6×10^{-1}	³ , the	en its solubility is			
	(A)	1.8×10^{-7}	(B)	3.6×10^{-26}			
	(C)	6.0×10^{-7}	(D)	7.2×10^{-26}			
4.	The process of displacement of electrons along the chain of carbon atoms due to the presence of a polar covalent bond at one end of the chain is called						
	(A)	electromeric effect	(B)	mesomeric effect			
	(C)	inductive effect	(D)	hyperconjugation			
5.	Laughing gas is						
	(A)	NO	(B)	$N_2^{}O$			
	(C)	NO_2	(D)	NO ₃			
6.	The	value of –40°C in Fahrenheit scale is					
	(A)	-40°F	(B)	32°F			
	(C)	-80°F	(D)	140°F			
7.	The	colligative properties of a solution depo	ends c	on			
	(A)	the number of particles of solvent					
	(B)	the number of particles of solute					
	(C)	the nature of particles of solute					
	(D)	the nature of particles of solvent					
	_						

8.	+2 oxidation state is predominant in Pb due to				
	(A)	common ion effect	((B)	solvent effect
	(C)	photoelectric effect	((D)	inert pair effect
9.	The	basic strength of amines in the gas pl	hase	incr	eases in the order
	(A)	1° amine < 2° amine < 3° amine	((B)	3° amine $< 1^{\circ}$ amine $< 2^{\circ}$ amine
	(C)	1° amine > 2° amine > 3° amine	((D)	2° amine > 3° amine > 1° amine
10.	The	long form of the Periodic Table is ba	sed o	on	
	(A)	atomic size	((B)	electronic configuration
	(C)	atomic mass	((D)	metallic character
11.	CuS	O_4 . $5H_2O$ is called			
	(A)	Blue vitriol	((B)	Cinnabar
	(C)	Lunar caustic	((D)	Red vitriol
12.	Con	sider the following statements			
	(i)	Entropy of the universe is constant			
	(ii)	All natural processes are irreversible	e the	ermo	dynamically
	(iii)	Gibb's energy is a state function			
	(iv)	Enthalpy of combustion is always no	egati	ive	
	The	correct statement(s) is/are			
	(A)	(ii) only	((B)	(i) and (ii)
	(C)	(i), (iii) and (iv)	((D)	(ii), (iii) and (iv)
13.	The	IUPAC name of $CH_3 - O - C(CH_3)_3$.S		
	(A)	2-Methoxy-2-methylpropane			
	(B)	2- Methoxy-2,2-dimethylethane			
	(C)	2,2,2-Methoxy dimethylethane			
	(D)	1-Ethoxy-2,2-dimethylethane			
14.	Be a	nd Mg does not give flame colouration	on be	ecau	se of
	(A)	low stability	((B)	large atomic radius
	(C)	high ionization enthalpy	((D)	low hydration enthalpy
Cher	nistry	(SET-A) [2]		Contd.

15.	The oxidation state of Cr in potassium dichromate is			
	(A)	+5	(B)	+6
	(C)	+7	(D)	+8
16.	The	S.I. unit of conductivity (specific conductivity)	ductan	ce) is
	(A)	Sm^{-1}	(B)	S
	(C)	m^{-1}	(D)	$\mathrm{Sm}^2\mathrm{mol}^{-1}$
17.	The	process of separating the particles of	colloid	ls from crystalloids by means of
	diffu	usion through a suitable membrane is		
	(A)	Peptization	(B)	Ultra-centrifugation
	(C)	Ultra-filtration	(D)	Dialysis
18.		ose the correct increasing order of	acidic	character from the following
	carb	oxylic derivatives		
	(A)	FCH ₂ COOH < CICH ₂ COOH < CH ₃ COOH	COOH	<c<sub>2H₅COOH</c<sub>
	(B)	C ₂ H ₅ COOH < CH ₃ COOH < CICH ₂ C	COOH	< FCH ₂ COOH
	(C)	$CH_3COOH < C_2H_5COOH < CICH_2$	COOH	<pre>COOH</pre>
	(D)	FCH ₂ COOH < CICH ₂ COOH < C ₂ H ₅	COOF	I < CH ₃ COOH
19.	Whi	ch of the following statements is FAL	SE?	
	(A)	Ozone layer does not permit infrare earth	ed radi	ation from the sun to reach the
	(B)	Acid rain is due to the oxides of nitro	ogen ar	nd sulphur in the air
	(C)	Greenhouse Effect is responsible for		-
	(D)	CF ₂ Cl ₂ causes depletion of ozone la	yer	
20.	Acc	ording to Boyle's law, at constant mass	and te	mperature, the volume of a fixed
	mas	s of gas is		
	(A)	inversely proportional to pressure		
	(B)	directly proportional to pressure		
	(C)	constant		
	(D)	not related to pressure		
Che	mistry	y (SET-A) [3]		P.T.O.

21.	21. The atomic mass of an element is 24 and the third shell of its atom con			hird shell of its atom contains		
2 electrons. The number of protons in its nucleus will be			will be			
	(A)	22	(B)	12		
	(C)	10	(D)	8		
22.	The	most abundant element in the earth's cr	ust is			
	(A)	Aluminium	(B)	Silicon		
	(C)	Oxygen	(D)	Iron		
23.	Acti	noid contraction is due to increase in				
	(A)	atomic number	(B)	shielding of f-orbital		
	(C)	size of the f-orbital	(D)	effective nuclear charge		
24.	Cho	ose the correct statement from the follo	wing			
	(A)	Bakelite is an example of thermoplast	ic			
	(B)	Co-polymer is a polymer formed from	n one	type of monomer		
	(C)	Glyptal is used in manufacture of pain	ts			
	(D)	Nylon-2-nylon-6 is non-biodegradable	e			
25.	Which technique of purification is based on the difference in the rates at which the					
	components of a mixture are adsorbed on a suitable adsorbent?					
	(A)	Chromatography	(B)	Differential extraction		
	(C)	Steam distillation	(D)	Fractional distillation		
26.	The	e half life of a first order reaction whose specific rate constant is $20s^{-1}$ is				
	(A)	$3.465 \times 10^{-3} \text{ s}$	(B)	$3.465 \times 10^{-2} \text{ s}$		
	(C)	$4.385 \times 10^{-3} \text{ s}$	(D)	$4.385 \times 10^{-2} \text{ s}$		
27.	Whi	ch of the following statements is incom	rect?			
	(A)	Strong acid has a weak conjugate base				
	(B)	ΔG should be negative for spontaneous	ıs reac	ction		
	(C)) For water, the conjugate acid and base are H ⁺ and OH ⁻ respectively				
	(D)	NH ₄ Cl is an example of basic buffer				
Chen	nistry	(SET-A) [4]		Contd.		

28. The product of the following reaction is



- 29. The chemical formula of heavy water is represented as
 - (A) H_2O

(B) D_2O

(C) T_2O

- (D) P₂O
- 30. In an electromagnetic spectrum, the correct order with respect to frequency is
 - (A) microwaves $> UV rays > \gamma rays > X rays$
 - (B) $X rays > \gamma rays > microwaves > UV rays$
 - (C) UV-rays > microwaves > X rays > γ -rays
 - (D) γ rays > X rays > UV rays > microwaves
- 31. Solutions showing positive deviation from Raoult's law have
 - (A) $\Pi_{\text{mixing}} = -\text{ ve and } \nabla_{\text{mixing}} = -\text{ ve}$
 - (B) $\Pi_{\text{mixing}} = +ve \text{ and } \Pi_{\text{mixing}} = -ve$
 - (C) $\Pi_{\text{mixing}} = +ve \text{ and } \Pi_{\text{vixing}} = +ve$
 - (D) $\mathbb{I} H_{\text{mixing}} = -\text{ ve and } \mathbb{I} V_{\text{mixing}} = +\text{ ve}$
- 32. Nitrogen exists as a gas because it
 - (A) is highly reactive
 - (B) forms multiple bonds
 - (C) is small in size
 - (D) has a weak tendency for catenation

33.	In the reaction given below, the product 'Y' will be					
	HC	$HO \xrightarrow{CH_3MgI} X \xrightarrow{H^+/H_2O} Y$				
	(A)	CH ₃ CH ₂ OH	(B)	CH ₃ COOH		
	(C)	CH ₃ OH	(D)	НСООН		
34.	The	correct decreasing order of stability of t	he dif	ferent conformation of butane is		
	(A)	Skew > Eclipsed > Anti > Fully ec	lipsed	1		
	(B)	Anti > Eclipsed > Skew > Fully ec	lipsed	1		
	(C)	Anti > Skew > Eclipsed > Fully ec	lipsed	1		
	(D)	Skew > Anti > Fully eclipsed > Ec	lipsed	I		
35.	The	bond that determines the secondary str	ucture	e of protein is		
	(A)	covalent bond	(B)	hydrogen bond		
	(C)	sulphur linkage	(D)	ionic bond		
36.	Whi	ch of the following is true for the react	ion			
	$N_2(g$	$(g) + O_2(g)$ 2NO (g), $\Delta H = +180$	kJ?			
	(A)	Increase in temperature favors the bac	kwaro	l reaction		
	(B)	Change in temperature does not have	any ef	fect on equilibrium		
	(C)	Increase in pressure favors the forwar	d reac	tion		
	(D)	Change in pressure does not have any	effect	on equilibrium		
37.	Saturated solution of KNO ₃ is used to make salt bridge because					
	(A)	the velocity of K ⁺ is smaller than that	of NC	Q_3^-		
	(B)	the velocity of K^+ is greater than that	of NC	3		
	(C)	the velocites of both K ⁺ and NO ₃ ⁻ are	nearly	y same		
	(D)	KNO ₃ is a highly volatile substance				
38.	The	purple colour of potassium permangan	ate is o	due to		
	(A)	charge transfer	(B)	d-d transition		
	(C)	f-f transition	(D)	d-f transition		
Cher	nistry	(SET-A) [6]		Contd.		

39.	Number of moles of oxygen in 16 g of oxygen molecule is			olecule is
	(A)	0.5	(B)	1
	(C)	1.5	(D)	2
40.	Pher	nol is more resonance stabilised	than ethyl al	cohol because
	(A)	phenol has higher boiling point	than alcoho	1
	(B)	of stronger hydrogen bonding in	n phenol tha	n in ethyl alcohol
	(C)	phenoxide ion is more resonance	e stabilised	than phenol
	(D)	ethoxide ion is less resonance s	tabilised tha	an ethyl alcohol
41.	Whe	en the temperature increases, visc	cosity of the	liquid
	(A)	remains constant	(B)	increases
	(C)	decreases	(D)	shows irregular behavior
42.	Bun	a-N is formed by the condensation	on polymeriz	zation of
	(A)	Hexamethylene diammine and a	adipic acid	
	(B)	Buta-1,3-diene and acrylonitrile	e	
	(C)	Phenol and acrylonitrile		
	(D)	1,3-butadiene and adipic acid		
43.	Whi	ch of the following statements is	TRUE?	
	(A)	Mercury is a biodegradable poll	lutant	
	(B)	Classical smog is oxidising in n	ature	
	(C)	CO ₂ is the most important Gree		
		BOD of clean water should be r		
44.	If th	e unit of the reaction rate constant	nt is Lmol ⁻¹	s ⁻¹ , then the reaction is of
	(A)	second order	(B)	zero order
	` ,	first order	(D)	_
45.		ng the preparation of aldehyde fro	m alcohol C	$H_3CH_2OH \xrightarrow{Z} CH_3CHO + H_2$;
		catalytic reagent used (Z) is	(D)	N. O. 57037
	. ,	Cu, 573K	(B)	MnO, 573K
	. ,	Zn, HCl	(D)	Pd, BaSO ₄
Che	mistry	V(SET-A)	[7]	P.T.O.

46.	Which of the following statements is <i>not true</i> regarding Crystal Field Theory?			
	(A) The crystal field splitting is lesser in octahedral complexes than in tetrahedral complexes			
	(B)	Tetrahedral complexes have four ligar six ligands	nds w	hile octahedral complexes have
	(C)	Strong field ligands produce low spin	comp	lex
	(D)	Weak field ligands produce high spin of	compl	ex
47.	In G	roup 16 elements, the acidic character	of the	hydrides follows the order
	(A)	$H_2O < H_2S < H_2Se < H_2Te$	(B)	H_2 Te $< H_2$ S $< H_2$ Se $< H_2$ O
	(C)	$H_2S < H_2O < H_2Te < H_2Se$	(D)	$H_2Se < H_2S < H_2O < H_2Te$
48.	Duri	ing a redox reaction in an electrochemi	cal ce	ell
	(A)	chemical energy is converted into elec	ctrical	l energy
	(B) electrical energy is converted into chemical energy			
	(C)	cathode is negative and anode is positi	ve	
	(D)	electron flows from cathode to anode	in the	e external circuit
49.	The	correct IUPAC name of the compound	CH ₃ -	CH-NH ₂ is
				CH ₃
	(A)	2-aminopropane	(B)	Propan-2-amine
	(C)	1-methylpropanamine	(D)	1-amino-1-methylethane
50.	50. According to the kinetic theory of gases, when gas molecules collide with another and also against the walls of the container,			
	(A)	there is no gain or loss of kinetic ener	gy	

(B) gain of kinetic energy occurs

(C) loss of kinetic energy occurs

(D) the molecules are at rest

51.	Whi	ch of the following is not permiss	sible arrang	ement for electrons in an atom?		
	(A)	$n = 4$, $l = 2$, $m_l = -2$, $m_s = -\frac{1}{2}$	(B)	$n=2, l=1, m_l=0, m_s=-\frac{1}{2}$		
	(C)	$n = 5$, $l = 2$, $m_l = 3$, $m_s = -\frac{1}{2}$	(D)	$n=3, l=2, m_l=1, m_s=\frac{1}{2}$		
52.	In an	n electrolytic cell, the electrode cor	nected to th	ne positive terminal is called the		
	(A)	anode	(B)	cathode		
	(C)	salt bridge	(D)	none of the above		
53.	The	extent of physical adsorption of g	gas on a soli	id increases with		
	(A)	increase in temperature	(B)	decrease in pressure		
	(C)	decrease in temperature	(D)	decrease in volume		
54.	In a	crystal system, if $a = b = c$ and α	$=\beta=\gamma\neq9$	0°, then the crystal system is		
	(A)	cubic	(B)	monoclinic		
	(C)	rhombohedral	(D)	triclinic		
55.	Isotonic solutions are solutions having the same					
	(A)	isotopes	(B)	surface tension		
	(C)	osmotic pressure	(D)	vapour pressure		
56.	In a chemical reaction, the molecularity of a reaction is					
	(A)	either a fraction or a zero				
	(B)	obtained from a single balanced	equation			
	(C)	equal to the sum of the powers of	of the reacta	ants in the rate law		
	(D)	an experimentally determined qu	antity			
57.	Alde	chydes are easily oxidised to carbo	oxylic acid	by using		
	(A)	Hinsberg's reagent	(B)	Jones reagent		
	(C)	Schiff's reagent	(D)	Tollen's reagent		
58.	The	catalyst used in Friedel Craft read	ction is a			
	(A)	Lewis acid	(B)	Lewis base		
	(C)	Grignard reagent	(D)	Jones reagent		
Cher	nistry	(SET-A)	[9]	P.T.O.		

59.	. The stable electronic configuration of Chromium is			
	(A)	$[Ar]3d^44s^2$	(B)	$[Ar]3d^54s^1$
	(C)	$[Ar]3d^64s^2$	(D)	$[Ar]3d^64s^1$
60.	Cons	sider the following statements re	egarding the	properties of solids
	(i)	Increase in temperature decrease	ses electrical	conductivity of semiconductors
	(ii)	Silicon doped with arsenic give	es <i>n</i> -type sem	niconductor
	(iii)	The outermost filled energy ba	nd is called c	onduction band
	(iv)	Diamagnetic materials are wea	kly repelled	by magnetic field
	The	correct statement(s) is/are		
	(A)	(i) only	(B)	(iii) only
	(C)	(i), (ii) and (iv)	(D)	(i), (iii) and (iv)
61.	Whi	ch of the following is not isoele	ctronic with	the other ions?
	(A)	N^{3-}	(B)	O^{2-}
	(C)	Na ⁺	(D)	Mg^+
62.	Whi	ch of the following is incorrect in	n relation to	electron gain enthalpy?
	(A)	Larger the size of the atom, sm	aller will be	the electron gain enthalpy
	(B)	More stable the electronic con	nfiguration o	of the atom, smaller will be the
		electron gain enthalpy		
	(C)	Larger the size of the atom, lar	ger will be th	ne electron gain enthalpy
	(D)	Greater the magnitude of nucleothalpy	ear charge,	larger will be the electron gain
63.	In th	ermodynamical processes, the e	quation $q_{\rm V}$ =	ΔU is achieved at
	(A)	constant volume and temperatu	re (B)	constant volume and pressure
	(C)	constant temperature and press	ure (D)	constant temperature only
64.	The	standard emf for the cell Fe/I	$e^{2+}(1.0M)$	Ni ²⁺ (1.0M)/Ni with the values
	E ^o Ni	$i^{2+}/Ni = -0.25V$ and $E^{0}Fe^{2+}/Fe = -0.25V$	= -0.44V is	
	(A)	-0.19 V	(B)	+0.19 V
	(C)	-0.69 V	(D)	+0.69 V
Chen	nistry	(SET-A)	[10]	Contd.

65.	. When the activation energy is low, the rate of the reaction is					
	(A)	slow	(E	3)	constant	
	(C)	intermediate	(Γ))	fast	
66.		onic solid AB has an octahe s 100 pm, what will be the co				us of
	(A)	_				
	(C)	6	(I)))	8	
67.	Whi	ch of the following is a non-p	olar compour	nd ?	?	
	(A)	CHCl ₃	(E	3)	$\mathrm{CH_2Cl_2}$	
	(C)	CH ₃ Cl	(I))	CCl ₄	
68.	The	scattering of light by colloid	al particles wa	as fi	irst observed by	
	(A)	Faraday	(E	3)	Robert Brown	
	(C)	Tyndall	(I)	Hardy Schulze	
69.	Acco	ording to the IUPAC nomeno	lature, the nar	me (of the organic compound	
		CH_3				
		$CH_3 - CH - CH - CH_2$	-СООН ч	will	l be	
		СНО				
	(A)	4-carbonyl-3-methylpen	tanoic acid			
	(B)	4-formyl-3-methylpenta	noic acid			
	(C)	4-carboxy-2, 3-dimethyl	butanal			
	(D)	4-carboxy-2, 3-dimethyl	pentanal			
70.	The	hardness of water is due to the	ne presence of	f		
	(i) (Calcium bicarbonates	(ii) Calcium	hy	droxides	
	(iii)	Magnesium chlorides	(iv) Magnes	iun	n sulphates	
	(A)	(i) and (ii)	(E	3)	(ii) and (iii)	
	(C)	(i), (iii) and (iv)	$(\Gamma$))	(ii), (iii) and (iv)	
Chen	nistry	(SET-A)	[11]		I	P.T.O.

71.	Biva	Bivalent titanium ion is paramagnetic because it has					
	(A)	a variable valency					
	(B)	two unpaired electrons in the valence shell					
	(C)	a completely filled valence shell					
	(D)	one unpaired electron in the valence	shell				
72.		following terms are used for expressione which is independent of temperature	•	ncentration of a solution. Select			
	(A)	Formality	(B)	Normality			
	(C)	Molarity	(D)	Molality			
73.	The	lowest alkene capable of exhibiting ge	ometr	ical isomerism is			
	(A)	1- Butene	(B)	2-Pentene			
	(C)	2,3-Dimethylbutene	(D)	2-Butene			
74.	Hydrogen is sometimes called rogue element because it						
	(A)	resembles both alkali metals and halo	gens				
	(B)	has different isotopes					
	(C)	resembles alkali metals					
	(D)	resembles halogens					
75.	The colour of alkali metal halides is generally due to the presence of						
	(A)	Schottky defect	(B)	Frenkel defect			
	(C)	F-centres	(D)	Impurity defect			
76.	Whi	Which statement is <i>not true</i> about the S_N^2 reaction?					
	(A)	The reaction is a one step process					
	(B)	The nucleophile attack from the backside					
	(C)	Methyl halide react most rapidly among the alkyl halides					
	(D)	The rate of reaction is determined by	the fo	rmation of a stable carbocation			
Chemistry (SET-A)		(SET-A) [12]		Contd.			

77.	Which of the complementary pairs hold true for RNA?		
	(i) AT (ii) GC (iii) AU	J (iv) GT	
	(A) (i) only	(B) (iii) only	
	(C) (ii) and (iii)	(D) (i) and (ii)	
78.	For the reaction $C_6H_5NH_2 + NaNO$	$_2 + 2HC1 \xrightarrow{273K} X$, the product 'X' is	
	(A) Phenol	(B) Chlorobenzene	
	(C) Benzene diazonium chloride	(D) Nitrobenzene	
79.		about the Modern Periodic Table of elements	
	are not correct?		
	(i) Metallic character generally deceive the period	creases with increase in atomic number across	
	*	acrease in atomic number down the group	
	(iii) The ionisation enthalpy decrease	ses with increase in atomic number across the	
	period		
		creases across the period and decreases down	
	the group		
	(A) (i) and (ii)	(B) (ii) and (iii)	
	(C) (iii) and (iv)	(D) (i) and (iv)	
80.	The oxidation state(s) of flourine is/	'are	
	(A) -1	(B) $+1, +3$	
	(C) $+1, +3, +5$	(D) $+1, +3, +5, +7$	
81.	The ionization energy of hydrogen a	tom is	
	(A) -1312 KJ/mol	(B) 1312 KJ/mol	
	(C) -2624 KJ/mol	(D) 2624 KJ/mol	
82.	Which of the following is not a coord	dination compound?	
	(A) $K_3[Fe(CN)_6]$	(B) $[Mn(H_2O)_6]^{2+}$	
	(C) $FeSO_4(NH_4)_2SO_4$	(D) Ni(CO) ₄	
Cher	mistry (SET-A)	[13] P.T.O.	

83.	Consider the following statements about soaps and detergents							
	(i) Soaps are bio-degradable							
	(ii)	i) Soaps cannot be used in acidic medium						
	(iii)	i) Detergents are sodium salts of fatty acids						
	(iv)	Synthetic detergents are more soluble in water than soaps						
	The	correct statement(s) is/are						
	(A)	(i) only	(B)	(i) and (iv)				
	(C)	(iii) only	(D)	(i), (ii) and (iv)				
84.	4. The chemical formula for limestone is							
	(A)	CaHCO ₃	(B)	CaSO ₄				
	(C)	Ca(OH) ₂	(D)	CaCO ₃				
85.	The	The Van't Hoff Factor for solutions undergoing dissociation is						
	(A)	always greater than 1	(B)	always less than 1				
	(C)	always equals to 1	(D)	always equals to zero				
86.	Scur	urvy is caused by the deficiency of						
	(A)	Lactic acid	(B)	Retinol				
	(C)	Ascorbic acid	(D)	Riboflavin				
87.	The rate of formation of CH ₃ OH in the following reaction will be							
	$2C(s) + 4H_2(g) + O_2(g) \longrightarrow 2CH_3OH(l), \Delta_f H = -478kJ$							
	(A)	-53 kJ	(B)	68kJ				
	(C)	-239 kJ	(D)	478kJ				
88.	Select the inappropriate sentence about drugs from the following							
	(A)	Analgesics have pain relieving effect						
	(B) Antipyretic helps in lowering body temperature							
	(C)	(C) Sulphadimidine is an example of antihistamines						
	(D) Sulphanilamide is an example of antimicrobials							
Chemistry (SET-A)					Contd.			

89.	Butter is a/an						
	(A)	sol		(B)	emulsion		
	(C)	micelle		(D)	gel		
90.). Which of the following elements has the largest atomic radius?						
	(A)	Al		(B)	C		
	(C)	Si		(D)	O		
91.	. Reaction of primary amines with alcoholic KOH and CHCl_3 to give isocyanide known as						
	(A)	Carbylamine reaction		(B)	Hoffmann's reaction		
	(C)	Mendius reaction		(D)	Schotten Baumann reaction		
92. The structure of SCl ₂ is							
	(A)	square planar		(B)	tetrahedral		
	(C)	angular		(D)	linear		
93. Brass is an alloy containing							
	(A)	Zn & Cu		(B)	Cu & Ar		
	(C)	Cr & Ar		(D)	Fe & Ag		
94.	Whi	Which of the following is called inorganic benzene?					
	(A)	Borazine		(B)	Diborane		
	(C)	Silicone		(D)	Boric acid		
95.	95. Vulcanization of rubber is done at a temperature of						
	(A)	313-375 K		(B)	373-415K		
	(C)	413-475K		(D)	473-515K		
96. The normality of a 2.0M H ₂ SO ₄ solution is							
	(A)	2N		(B)	4N		
	(C)	6N		(D)	8N		
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97.	The boiling point of a liquid at 1 atm pressure is						
	(A)	Standard boiling point	(B)	Vapour density			
	(C)	Critical temperature	(D)	Normal boiling point			
98.	A system absorbs 800J of heat and does work equivalent to 400 J on its surroundings						
	The change in the internal energy for this process is						
	(A)	2 J	(B)	400 J			
	(C)	1.2 kJ	(D)	320 kJ			
99.	9. H ₃ PO ₃ behaves as a						
	(A)	monobasic acid	(B)	dibasic acid			
	(C)	tribasic acid	(D)	tetrabasic acid			
100.	Read the following statements						
	(i) Artificial sweeteners are low calorie sweeteners						
	(ii)	BHP is a commonly used antioxidant					
	(iii)	Dettol is an example of an antiseptic					
	(iv)	Omeprazole is a very good antacid					
	The correct statement(s) is/are						
	(A)	(ii) only	(B)	(iii) only			
	(C)	(i), (ii) and (iv)	(D)	(i), (iii) and (iv)			