Test Booklet No		
This booklet consists of 100 questions and 11 printed pages.		
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RGUCET/2024//_		N.I.I.
	Series	INIL

RGUCET 2024 Common Entrance Test, 2024

MASTER OF SCIENCE (CHEMISTRY)

Full Marks: 100	Time: 2 Hour	
Roll No.		
Day and Date of Examination:		
Signature of Invigilator(s)		
Signature of Candidate		
General Instructions:		

PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 100 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark. There shall be negative marking of 0.25 against each wrong attempt.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall within one hour thirty minutes.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy.

1	Change the nar						d
		n I were a king!"					u
		b) He said that he was a king.	c) H	le is a king.	,	He his e a	He expressed his desire to be a king.
2		cusing appropriat just across the par	-	sessive determi	ners:		c
	a) The	b) A	c) N	ſу	d) This		My
3	Saikhom Mirab	pai Chanu won an	Olyn	pic medal for I	India in-		С
	a) Wrestling	b) Arm wrestling		Veight lifting	d) Gymnasti	ics	Weight lifting
4		x using appropriatestion the ways of					a
	a) can	b) could	c) w	rill	d) would		can
5	The correct ma	tch of synonyms i	n the	following is:	1		
	A. ambiguous		i. co	ounterfeit			
	B. bogus			oubtful			a
	C. candid			elegant			
	D. urbane			rank			
	a) A: ii, B: i,	b) A: i, B: ii, C:	c) A	: i, B: ii, C: iii,	d) A: iv, B:	: ii,	A: ii, B: i, C:
	C: iv, D: iii	iv, D: iii	Ď: i		C: iii, D: i		iv, D: iii
6	Which of the fo	llowing North-Ea	st Inc	lian state is the	first organic s	tate	d
	a) Arunachal Pradesh	b) Mizoram	c) N	1eghalaya	d) Sikkim		Sikkim
7	The true statements amongst the following are: A. The national game of India is hockey. B. The national game of India is Kabaddi. C. The Dehing-Patkai National Park is in Assam. D. The Hornbill Festival is celebrated in Arunachal Pradesh.						ь
	a) A, C, D	b) A, C		s, C, D	d) B, C		A, C
8	Which of the fo	ollowing is not a c	lassic	cal dance form	of India?		d
	a) Kathakali	b)Sattriya		I anipuri	d) Dandiya		Dandiya
9	The correct match of Nobel prize winners of Indian origin and the respective subject in the following is:						
			ar	i. Physics ii. Chemistry iii. Literature iv. Medicine			ь
	a) A: i, B: ii,	b) A: ii, B: i, C:	c) A	: i, B: ii, C: iii,	d) A: iv, B:	;;;	A: ii, B: i, C:
	C: iv, D: iii	iv, D: iii	D: i		C: ii, D: i	111,	iv, D: iii

10	The Satish Di launched Chan	c			
	a) Tamil Nadu	b) Orissa	c) Andhra Pradesh	d) Maharashtra	Andhra Pradesh
11	The youngest s	tate of India is-	I		d
	a) Sikkim	b) Manipur	c) Ladakh	d) Telangana	Telangana
12	Identify the pri	me number.			С
	a) 161	b) 221	c) 373	4) 437	373
13	The nH of norm	nal rain water is.			ь
13	a) 4.1	b) 5.6	c) 7.1	d) 8.4	5.6
14	Vernier Caliper	is used to measur	e.		b
	a) Temperature	b) Dimension	c) Time	d) Pressure	Dimension
15	1	inside the water b	ehaves as a	1	a)
-	a) Concave lens	b) Convex lens	c) Both concave and convex lens	d) Neither concave nor convex lens	Concave lens
16	If the given ransphere is.	dius of the sphere	e is "r", then the su	rface area of the	С
	a) $4/3\pi r^3$	b) πr ²	c) $4\pi r^2$	d) $4\pi r^3$	$4\pi r^2$
17	Then he returns	_	l n/h from goal post A to goal post A at a entire run?		a
	a) 2.67 km/h	b) 2.89 km/h	c) 3.53 km/ h	d) 4.0 km/h	2.67 km/h
18	Given below is one another. The represents the class of sports code containing students who is students.	c			

	a) w and y only	b) x and z only	c) z only	d) w only	Z only			
19	The full form of FSSAI is.							
	a) Food	b) Food	c)Food Safety	d) Food Safety	Food Safety			
	Security and Standards	Security and	and Security	and Standards	and			
	Authority of	Safety	Authority of	Authority of	Standards			
	India	Authority of	India	India	Authority of			
		India			India			
20	A has 100 appl	es. A gave 1/2 of	his apples to B and	1/4 of his apples	1			
			pples B has with resp		d			
	a) 50 %	b) 100 %	c)150 %	d) 200 %	200 %			
21			of a compound profaBO ₃ . The compour		a			
	a) Mn(OH) ₂	b) Fe(OH) ₃	c) Cr(OH) ₃	d) Pb(OH) ₂	Mn(OH) ₂			
22	/ /		planes of an orthor	, , ,	b			
	(with cell parar		b = 0.6 nm, and c = 0.6 nm	0.8 nm) is				
	a)0.036	b) 0.136	c) 0.236	d) 0.336	0.136			
23	The geometry of	of [VO(acac) ₂] is			b			
	a) Trigonal bipyramidal	b) Square pyramidal	c) Pentagonal planar	d) Distorted trigonal bipyramidal	Square pyramidal			
24	The role of fluo	orspar in the electr	olytic reduction of A	Al ₂ O ₃ is to	С			
		b) prevent the		d) prevent the	improve the			
	melting point		electrical	radiation loss	electrical			
	of Al ₂ O ₃	anode	conductivity of the melt	of heat	conductivity of the melt			
24	The structure ty	ypes of $\mathrm{B_{10}H_{10}}^{2-}$ ar	$_{10}^{\circ}$ me the metron of $_{10}^{\circ}$ $_{14}$, respective	ely, are				
				•	a			
	a) closo and nido	b) nido and arachno	c) nido and closo	d) closo and arachno	closo and nido			
26			ecule with a direct m		a			
	a) Coenzyme B ₁₂	b) Nitrogenase	c) Chlorophyll	d) Hemoglobin	Coenzyme B ₁₂			
27	The reasons for		y of Si ₂ H ₆ compared	to C ₂ H ₆ is/are				
	,	ond is weaker than						
	B) Si–H bo	a						
	_		d-orbitals in silicon sative than hydrogen					
	a) A and B	b) B and C	c) C and D	d) A and D	A and B			
28	/	oint defect(s) in a	,		Tana D			
	A) Frenkel				2			
1	D) Wadalay	- 1-C4			c			
		B) Wadsley defect C) Schottky defect						

	D) Suzuki	defect				
	a) A and B	b) A and D	c) A and C	d) C and D	A and C	
29	are	ion of the central atoms in I ₃ ⁻ , ClF ₃ and SF ₄ , respectively,			С	
	a) sp^3d , sp^2 and dsp^2	b) sp , sp^3d and dsp^2	c) sp^3d , sp^3d and sp^3d	d) sp , sp^2 and sp^3d	sp^3d , sp^3d and sp^3d	
30	The correct statements about sodium nitroprusside are A) It contains nitrosyl ligand as NO ⁺ B) It is a paramagnetic complex C) It is used for the detection of S ²⁻ in aqueous solution D) Nitroprusside ion is formed in the brown ring test for nitrates					
	/	b) A and B	c) C and D	d) A and D	A and C	
31	The total nur configuration is		ates possible for	a d ⁸ electronic	a	
	a) 45	b) 55	c) 25	d) 27	45	
32			ysis of calcium phos	-	С	
	acid	b) phosphorus pentoxide	, 1	d) white phosphorus	phosphine	
33			following metals?		c	
	a) Zinc and Nickel	b) Lead and Tin	c) Copper and Zinc	d) Copper and Tin	Copper and Zinc	
34	4 Among the following compounds, the one having the lowest boiling point is					
			c) SiCl ₄	d) CCl ₄	SiCl ₄	
35		m ferrocyanide c the gas evolved is	rystals are heated w	vith concentrated	d	
	a)sulphur dioxide	b) ammonia	c) carbon dioxide	d) carbon monoxide	carbon monoxide	
36			ain on the skin due t		d	
	a) its corrosive action	b) being a strong reducing agent	c) formation of complex compound	d) its reduction to metallic silver	its reduction to metallic silver	
37	Match List I w	ith List II				
	A) [Co(NH ₃) ₅ (NO ₂)]Cl ₂ i) Solvate isomerism B) [Co(NH ₃) ₅ (SO ₄)]Br ii) Linkage isomerism C) [Co(NH ₃) ₆][Cr(CN) ₆] iii) Ionization isomerism D) [Co(H ₂ O) ₆]Cl ₃ iv) Coordination isomerism		a			
	a) A-ii; B-iii; C-iv; D-i.	b) A-i; B-iii; C-iv; D-ii.	c) A-i; B-iv; C-iii; D-ii.		A-ii; B-iii; C- iv; D-i	
38	but differ in the Statement II: paramagnetic.	oth $[Co(NH_3)_6]^{3+}$ a eir magnetic behave $[Co(NH_3)_6]^{3+}$ is the above statement	nd $[CoF_6]^{3-}$ complex viour. diamagnetic, wherents, choose the correction	reas [CoF ₆] ³⁻ is	a	

	a) Both	b) Both	c) Statement I is	d) Statement I	Both
	Statement I	Statement I	true, but	is false, but	Statement I
	and	and Statement	statement II is	statement II is	and
	Statement II	II are false.	false	true	Statement II
	are true.				are true
39	'Spin only' ma	gnetic moment is	the same for which	of the following	
	ions?				
	A) Ti ³⁺				.1
	B) Cr ²⁺				d
	C) Mn ²⁺				
	D) Fe ³⁺				
	a) B and D	b) A and D	c) A and C	d) C and D	C and D
40	Identify the p	roducts formed	when XeF ₆ is subj	ected to partial	d
	hydrolysis				u
	a) XeO ₃	b) Xe and	c) XeOF ₄	d) XeOF ₄ ,	$XeOF_4$,
		XeO ₃		XeO_2F_2 , HF	XeO_2F_2 , HF
41	The number of	P-O-P bond in cy	yclic metaphosphorio	e acid is:	c
	a) 1	b) 2	c) 3	d) 0	3
42	The crystal fiel	d stabilization ene	ergy (CFSE) for [Col	$[F_6]^{3-}$ is.	
					b
	a) $0.2 \Delta_{\rm o}$	b) 0.4 Δ _o	c) 0.6 $\Delta_{\rm o}$	d) $0.8 \Delta_{\rm o}$	$0.4~\Delta_{ m o}$
43	Among the ele	ements F, Ne, Na	and Mg the corre	ct order of first	ь
	ionisation energ				
	a) $F > Ne >$	b) Ne > F >	c) Ne $>$ Na $>$ Mg	d) $Na > Mg >$	Ne > F > Mg
	Na > Mg	Mg > Na	> F	F > Ne	> Na
44			gravimetric estimati		a
	a) Nickel	b) Sodium	c) Gold	d) chloride	Nickel
45	_	with $\lambda = 6561 \text{ Å}$	belongs to which sen	ries of Hydrogen	c
	atom	Γ	T :		
			c) Balmer	d) Paschen	Balmer
46			n give X-rays of high		d
	a) Al	b) Ca	c) Fe	d) Zn	Zn
47			of Gd (Atomic num		d
	a) $4f^35d^56s^2$	b) $4f^85d^06s^2$	c) $4f^45f^46s^2$	d) $4f^75d^16s^2$	$4f^75d^16s^2$
48			on of ammonia to pro		c
	a) Palladium	b) Sodium	c) Platinum-	d) Vanadium	Platinum-
	hydride	amalgam	Rhodium gauze	(V) oxide	Rhodium
10	xxx1 1 2 1 2	11	11.0		gauze
49		ollowing is most s		1) D'C'	C
F .	a) AsCl ₅	b) SbCl ₅	c) PCl ₅	d) BiCl ₅	PCl ₅
50			le ions do not exhibi		a
	a) Lu^{3+} and		c) Pr ⁴⁺ and Ce ⁴⁺	d) Ce ³⁺ and	Lu ³⁺ and
7.1	Ln ³⁺	Ln ²⁺	1 0	Ce ⁴⁺	Ln ³⁺
51			rrect order of arrange	ement of the first	ь
		s according to ator		1) 1	
	a) La, Pr, Ce,	b) La, Ce, Pr,	c) La, Pr, Ce, Nd,	d) La, Ce, Pr,	La, Ce, Pr,
52	Pm, Nd	Nd, Pm	Pm	Pm, Nd	Nd, Pm
52		following metal	s would have the	nighest packing	ь
	efficiency? a) Potassium	b) Copper	c) Chromium	d) Polonium	Copper
			CLI DECIMILEM	THE POLONIUM	

53	What are the lattice?	c			
	a) 52% and 74%	b) 48% and 26%	c) 26% and 48%	d) 74% and 52%	26% and 48%
54	ABCABC fash	ion then what is th	d radius 166 pm are ne surface area of eac	ch unit cell?	b
	a) 1.32 × 10 ⁻¹⁸ pm ²	pm ²	c) $2.20 \times 10^5 \text{ pm}^2$	pm ²	1.32×10^6 pm^2
55	For a metallic c		do the delocalized e		a
	a) Conduction band	b) Valence band	c) Both, conduction and valence bands	d) There are no delocalized electrons	Conduction band
56	Free radicals ca	an be detected by-			b
	a) NMR spectroscopy	b) EPR spectroscopy	c) Mass spectrometry	d) HPLC	EPR spectroscopy
57	Which of the formechanistic par		involvea a carbene in	ntermediate in its	d
	a) Aldol	b) Birch	c) Knoevenagel	d) Reimer-	Reimer-
	condensation	reduction	condensation	Tiemann reaction	Tiemann reaction
58	The isomerism	exhibited by 1,2-c	dimethylcyclopropar	ne is-	a
	a) geometrical isomerism	b) positional isomerism	c) optical isomerism	d) chain isomerism	geometrical isomerism
59	The IUPAC nar	me of CH ₃ CHO is	-		d
	a) acetaldehyde	b) formyl methane	c) methanal	d) ethanal	ethanal
60	Arrange the fol	lowing free radical (II), vinyl (III), n	nls in the order of stanethyl (IV)	bility.	С
	a) I>II>III>IV	b) I>III>II	c) I>II>IV>III	d) II>IV>III	I>II>IV>III
61	The correct ord	ler of leaving grou	p ability is-		a
	a) I~>Br~>Cl~>F -	b) Br->I->Cl->F-	c) F ⁻ >Cl ⁻ >Br ⁻ >I ⁻	a) I^>Br^>F^>Cl^	I⁻>Br⁻>Cl⁻> F⁻
62	Fastest hydroly	sis occurs in-			ь
	a) CH ₃ Cl	b) CH ₃ OCH ₂ Cl	c) CH ₃ CH ₂ Cl	d) (CH ₃) ₂ CHCl	CH ₃ OCH ₂ Cl
63		cting group(s) amo	ongst the following i -COOH (IV)	s/are-	a
	a) I, IV	b) I	c) IV	d) II, IV	I, IV
64	Identify the cor	rect option- 'rearr	angement is possible	e in-'	ь

	S _N 1 reactions ((IV)	(I), S _N 2 reactions	(II), E1 reactions (I	II), E2 reactions	
	a) I and II	b) I and III	c) II and IV	b) only in III	I and III
65	In the following CH ₃ CH ₂ CH ₂ OH	PCI _e	etions, the product B		ь
	a) propyne	b) propene	c) propanol	d) propane	propene
66	Which of the under basic cor		unds will undergo s	self-condensation	a
	a) acetaldehyde	b) formaldehyde	c) benzaldehyde	d) salicylaldehyd e	acetaldehyde
67	Aromatic comp	oounds usually bur	rn with sooty flame l	because-	a
	a) they have a relatively high percentage of carbon	relatively high percentage of	, ,	d) they are too stable	they have a relatively high percentage of carbon
68	Trans-dihydrox	cylation of cyclohe	exene can be accomp	olished by-	c
	a) using dilute KMnO ₄	b) using OsO ₄	c) forming the epoxide and then opening the epoxide ring	d) using H ⁺ /H ₂ O	forming the epoxide and then opening the epoxide ring
69	The catalyst us	ed in the Rosenmu	and reaction is-		ь
	a) Raney nickel	b) Pd/BaSO ₄	c) Sn/HCl	d) Zn/HCl	Pd/BaSO ₄
70	The correct ord (III) and benzer		of pyrrole (I), fura	n (II), thiophene	ь
	a) I <ii<iv< td=""><td>b) II<i<iii<iv< td=""><td>c) II<iii<iv< td=""><td>d) III<ii<iv< td=""><td>II<i<iii<iv< td=""></i<iii<iv<></td></ii<iv<></td></iii<iv<></td></i<iii<iv<></td></ii<iv<>	b) II <i<iii<iv< td=""><td>c) II<iii<iv< td=""><td>d) III<ii<iv< td=""><td>II<i<iii<iv< td=""></i<iii<iv<></td></ii<iv<></td></iii<iv<></td></i<iii<iv<>	c) II <iii<iv< td=""><td>d) III<ii<iv< td=""><td>II<i<iii<iv< td=""></i<iii<iv<></td></ii<iv<></td></iii<iv<>	d) III <ii<iv< td=""><td>II<i<iii<iv< td=""></i<iii<iv<></td></ii<iv<>	II <i<iii<iv< td=""></i<iii<iv<>
71	In van der Waa measure of	ls equation of the	state of the gas, the	constant 'b' is a	С
	a) intermolecula r repulsions	b) intermolecular attractions	c) volume occupied by the molecules	d) intermolecular collisions per unit volume	volume occupied by the molecules
72			fast as another gas ecular mass of gas B		d
	a) 2	b) 4	c) 8	d) 16	16

73	The root mean	square velocity of	gas molecules is given	ven by	c
	a) $v_{rms} =$	b)	c) $v_{rms} =$	d)	$v_{rms} =$
		2RT		8RT	3RT
	$\sqrt{\frac{RT}{M}}$	$v_{rms} = \sqrt{\frac{2RT}{M}}$	\sqrt{M}	$v_{rms} = \sqrt{rac{8RT}{M}}$	\sqrt{M}
74	A liquid	l rises in a capillar	ry tube. It is due to		a
	a) surface	b) viscosity	c) osmosis	d) effusion	surface
	tension				tension
75		of viscosity is call		1	С
	a) surface	b) frictional	c) fluidity	d) pressure	fluidity
7.6	tension	resistance	CONTRACT:		_
76			of NH ₄ Cl in water is		d
	a)	b) Exothermic,	c) Exothermic,	d)	E 1 . 41
	Endothermic,	spontaneous	non-spontaneous	Endothermic,	Endothermic,
	non- spontaneous			spontaneous	spontaneous
77	1	lution of a salt of a	ı weak base and stron	n acid is	ь
' '	a) greater	b) less than 7	c) equal to 7	d) equal to	
	than 7	b) iess than /	c) equal to /	zero	less than 7
78		ubility of AgCl in	water, the solubility		
, ,	hv		_		ь
	$a)K_{sn} = s$	b) $K_{sp} = s^2$	c) $K_{sp} = s^3$	d) $K_{sp} = s^{1/2}$	$K_{sp} = s^2$
79			n anion leave the lat		sp -
	_	defect is called		and to cause the	a
	a) Schottky	b) Frenkel	c) interstitial	d) impurity	Schottky
	defect	defect	defect	defect	defect
80	BF ₃ has				a
	a) one C_3 axis	b) three C_6 axis	c) one C ₆ axis	d) three C_3	one C_3 axis
	and $3C_2 \perp C_3$		and $3C_3 \perp C_6$ axis	axis	and $3C_2 \perp C_3$
	axis				axis
81	A crystal system	n is determined by	y the lengths a, b, c ,	and the angles α ,	c
	β , γ of the unit	cell. For the ortho	rhombic system, the	ese are	C
	<i>a</i>) $a = b =$	$b) a = b \neq$	$c) a \neq b \neq$	d) $a \neq b \neq$	$a \neq b$
			$c; \alpha = \beta = \gamma =$		$\neq c$; $\alpha = \beta$
	$\gamma = 90^{\circ}$			<i>γ</i> ≠ 90°	$= \gamma = 90^{\circ}$
82		atoms contained v	within a face centred	l cubic (fcc) unit	c
	cell is		T	1 0 6	
	a) 1	b) 2	c) 4	d) 6	4
83		liabatic process	can flow	into or out of the	a
	system	1 \ 1		1) 1 , 1	
	a) no heat	b) heat	c) matter	d) heat and	no heat
84	When	votania apalad ta i	laa ita antuony	matter	ь
04	a) increases	vater is cooled to i b) decreases	c) remains the	d) becomes	U
	a) increases	b) decreases	same	zero	decreases
85	Which of the fo	llowing is not an	intensive property?	ZCIO	d
0.5	a) pressure	b)	c) density	d) volume	
	a) pressure	concentration	c) delibity	a) volume	volume
86	For exothermi		is while	for endothermic	
	reaction it is		,		d
	a) positive;	b) positive;	c) negative;	d) negative;	negative;
	negative	positive	negative	positive	positive
•				• •	

87	The addition of	f a non-volatile so	lute the vap	our pressure	b
	a) enhances	b) lowers	c) does not affect	d)	10222000
				unpredictable	lowers
88	The osmotic pr	essure of equimol	ar solutions of CaCl	2, NaCl and urea	0
	will be in the o				a
	a) CaCl ₂ >	b) CaCl ₂ <	c) urea > CaCl ₂ >	d) urea <	CaCl ₂ > NaCl
		NaCl < urea	NaCl	CaCl ₂ < NaCl	> urea
89	Abnormal mole		obtained when there	exist	c
	a)	b) association	c) either	d) none of	either
	dissociation	of molecules	dissociation or	these	dissociation
	of molecules		association of		or
			molecules		association
					of molecules
90			with the expansion o		
			e of V to a final vo	olume of $2.5V$ at	d
		rature is (R=gas co		1) 40	
	a) $\Delta S =$	b) $\Delta S =$	c) $\Delta S =$	d) $\Delta S =$	$\Delta S =$
0.1	$-R \ln 2.5$	$-2.5R \ln(V_f/V_i)$	$2.5R \ln(V_f/V_i)$	R ln 2.5	<i>R</i> ln 2.5
91			cident radiation is cu		a
	a)	b)	(c)	d) none of	a
	fluorescence	phosphorescen	chemiluminescen	these	fluorescence
02	The manifest of	ce	ted on formed non	ulastan af lialat	
92	absorbed is call		ted or formed per	photon of light	c
	a)	b) quantum	c) quantum yield	d)quantum	
	yield of the	/ -	c) quantum yicid	productivity	quantum
	reaction	Ciffciency		productivity	yield
93		reactions the rate of	constant, k has the un	ıit	ь
	a) mol ⁻¹	b) time ⁻¹	c) L mol ⁻¹ time ⁻¹	d) time mol ⁻²	
	<i>a)</i> 11101			L^{-1}	$time^{-1}$
94	What is the o	order of the reac	ction whose rate co	onstant is $2.5 \times$	1
	10^{-2}min^{-1} ?				ь
	a) zero	b) one	c) two	d) three	One
			,		
95	A catalyst will	affect the rate of t	he forward reaction	by changing the	a
	a)	b) heat	c) heat of	d) potential	activation
	activation	of reaction	formation	energy of the	energy
	energy			products	chergy
96	_	~ .	or the adsorption of	a gas on a solid	ь
		line with slope ed	†	T a	
6=	a) n; (n>1)	b) 1/n; (n>1)	$\log k$	d) $-\log k$	1/n; $(n>1)$
97			edom is known as	1 1 1	c
	a)	b) bivariant	c) invariant	d) polyvariant	invariant
00	monovariant	1 .	1 1	TP1 1 0	
98		_	water and vapour.	ine number of	a
	components in	b) two	a) 41- ma a	1) f	24
1		L Ω L L L L L L L L L L L L L L L L L L	c) three	d) four	one
00	a) one	/	on lovy the true - 1	anta ah av 1 -1 1	1,
99	For the study o	f Nernst distributi	on law, the two solv		ь
99	,	f Nernst distributi b) non-	on law, the two solve c) volatile	d) reacting	b non-miscible
99	For the study o a) miscible	f Nernst distributi b) non- miscible		d) reacting with each other	

10	a) increases	b) decreases	c) does not vary	d)	increases
0	with dilution	with dilution	with dilution	unpredictable	with dilution