SECOND MID TERM EXAMINATION - 2024 www.Trb Tnpsc.Com

LASS: 12 ime

: 1.30 Hours

CHEMISTRY

Reg.No.	3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Maximu	m Marka . 50

	PART	٠١	
Choose the correct	answer:		10x1 =10
. Which of the following r	eagent can be used t	o convert nitrobenze	ne to aniline
-\0 ") Zn. Hg/NaOH	c) Zn/NH ₄ Cl	d) All of these
2. Which one of the follow	ving is most basic?		
a) 2,4 - di chloro anilin	b) 2,4 - c	di methyl aniline	
c) 2,4 - di nitro aniline	d) 2,4 - d	di bromo aniline	
The number of electron	ns that have a total cl	narge of 9650 C is	5, 1, 2, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
a) 6.22 x 10 ²³	b) 6.022 x 10 ²⁴	c) 6.022 x 10 ²²	d) 6.022 x 10 ⁻³⁴
4. Molar conductivity (A	o) of solution on dilution	on is	A Company of the Comment
a) Increases	b) Decreases	c) No effect	d) First increase and decrease
5. Primary battery used	in electronic watches	is	(a) Kirkham I in a land
a) Mercury button ce	b) Leclanch	e cell c) Dry cell	d) Lead - acid Battery
6. Insulin, a hormone c	nemically is		
a) Carbohydrates	b) Fat	c) Steroid	d) Protein
7. Which one given be	ow is non - reducing s	sugar	े अने क्षेत्रका के हिर्देशका है है ।
a) Glucose	b) Sucrose	c) Maltose	d) Lactose
8. Identify relationship	between D - glucose	and D - manose	
a) C2 - epimers	b) C4 - epimers	c) Anomers	d) Tautomers
	tic complex in the give	en	Calabid to eaty then seem a
	b) [Co(NH ₃) ₆] ³⁺		d) [Ni(CN),] ²⁻
10. Find out correct ch			
			d) None of the above
a) 11 O1 ₄ 1 A1 (O ₂ 11 ₅	73	5, [(SMG) ₂]	day notice of the above
		PART - II	

Il Answer any 5 questions Question no : 16 is compulsory.

5x2=10

- 11. Give any two examples for bidentate ligand.
- 12. Write formula for spin only magnetic moment. Calculate spin only magnetic moment for [Mn(H2O)]
- 13. Write Carbylamine reaction.

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Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

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В

Aniline

P^H(4-5)

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16. Complete the following. C₆H₅NH₂ NaNO₂ / HCI 273 - 278K

b) Globular protein.

Give example for the following

a) Achiral amino acids.

State Kohlrausch law.