Class: 12

COMMON	HALF	YEARLY EXAMINA	1.10N-2022 24
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ime Allowed : 3.00 Hours	CHEMISTRY

10	1	4	3	J
202	3-2	4		

	 6.0	2.00	

Max. Murks

15x1=15

ŧ. Choose the correct answer. Wolframite Ore is separated from Tinstone by the process of

Smelting

b) Calcination

C) Roasting

- d) Electromagnetic Separation
- The Compound that is used in nuclear reactors as Protective shields and Control rod is Metal Borides

3.

Metal Oxides

Metal Carbonates d) Metal Carbide

The shape of XeOF, is

Linear

- b) Square Planar
- c) T Shaped
- d) Pyramidal

Assertion

Ce4 is used as an Oxidising agent in Volumetric Analysis

- Reason Ce* has the tendency of attaining +3 Oxidation states
- Both assertion and reason are true and reason is the correct explanation of assertion
- b) Both assertion and Reason are true but reason is not the correct explanation of assertion
- Assertion is True but reason is False d) Both assertion and reason are Faise.
- Which of the following is Paramagnetic in Nature?
- a) [Zn(NH,),]2*
- b) [CO(NH,),]3-
- c) [Ni(H,O),]2
- d) [NI(CN)]

6. The Vacant Space in bcc lattice unit cell is

a) 48%

5.

- b)
- 23% _____c) 32%

A Zero order reaction X → product, with an initial concentration 0.02M has a half life of 10 min. If one starts with concentration 0.04M then the half life is

a) 10s

- b) 5 min
- 20min
- d) Cannot be predicted using the given information
- If the solubility product of Lead iodide is 3.2 x 10*, its solubility will be
 - 2 x 10-2M
- b) 4 x 10 4M
- c) 1.6 x 10-6 M
- d) 1.8 x 10⁻⁵ M

Which of the following Electrolytic Solution has the least Specific Conductance? 9.

a) 2N

- b) 0.002N
- c) 0.02N
- d) 0.2N

10. Which one of the following is positively charged Colloid?

- a) Arsenic Sulphide b) Clay
- c) Haemoglobin
- d) Starch

Which one of the following is the strongest acid.

- 2 Nitrophenol b) 4 Chlorophenol c) 4 Nitrophenol
- d) 3 Nitrophenol

12. The reagent used to distinguish between Aldehyde and Benzaldehyde is

Tollens Reagent

- b) Fehling's Solution
- 2,4 Dinitrophenyl Hydrazine
- d) Semicarbazide

13. ----- is used as an Insecticide.

- CH,NO,
- b) CH, CH, NO,
- c) CH, NH,
- d) CCI, NO.

Among the following the Achiral amino acid is

2 - Ethylalanine

b) 2 - methylglycine

2 - Hydroxymethyl scrine C)

d) Tryptophan

Natural Rubber.

- a) Alternate cis and trans-Configuration
- b) Random cis and Trans- Configuration

All cis - Configuration c)

d) All Trans - Configuration

Kindly send me your answer keys to us - padasalai.net@gmail.com