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SECOND MIDTERM TEST NOVEMBER – 2024 CHEMISTRY

Std: 11

MAXIMUMMARKS: 35

TIME: 1.30Hrs

| | TO THE HOLD OF | | Tible: X | Doms | | |
|------|---|---------------------|--|------------------|--------------------|---------|
| | | PART - I | | [10 | $) \times 1 = 1$ | 0] |
| ANS | WER ALL THE QUESTIONS. | | | | | |
| i. | Among the following the least therm | ally stable is | | | | |
| | (a) K2CO3 b) Na2CO3 | (c) BaCO3 | d) Li2CO3 | | | |
| 2. | RbO2 is | (-) | -,2 | | | |
| | a) superoxide and paramagnetic | b) peroxide an | d diamagnetic c) | superoxide and | diamag | netic |
| | d) peroxide and paramagnetic | , , | , | - Spanning | 1. | 0 |
| 3. | The colour of Bunsen flame shown by | Strontium on hea | ting is | ^ | | |
| | a) Brick Red b) Apple Green | | imson Red | d) Yellov | N | |
| 4. | According to Raoults law, the relative | , | | | ual to | |
| | a) mole fraction of solvent | | tion of solute | | | |
| | c) number of moles of solute | d) number | of moles of solve | ent | | |
| 5. | The Van't Hoff factor (i) for a dilute | aqueous solutio | n of the strong el | ectrolyte bariur | n hydron | xide is |
| | a) 0 b) 1 c) 2 | d) 3 | | | | |
| 5. | The C - H bond and C - C bond in etl | hane is formed by | which of the follo | owing types of | overlap | |
| | a) $sp^3 - s$ and $sp^3 - sp^3$ b) $sp^2 -$ | s and $sp^2 - Sp^2$ | c) sp - sp and sp | p-sp d)p-s | and p- | o |
| 7. | Identify the compound 'Z' in the follow | ving reaction | | | | |
| | C2H6O $\stackrel{A12O3}{\longleftrightarrow}$ X $\stackrel{O_3}{\longrightarrow}$ Y $\stackrel{Z_n}{\longrightarrow}$ | H ₂ O 7. | | | | |
| 1 | // | , | 91 15 | 0.1 | | |
|) | a) Formaldehyde b) Acetaldehyde | | | | | . 76 |
| 3. | The desirable p ^H limit of drinking wa | | | | 1200 | |
| 0. | Which one of the following gas form The Ozone depletion will cause a) form | | | | d) CC | |
| U. | the Ozone depiction will cause a) i | PART – II | opinication c) bio i | | $[3 \times 2 = 0]$ | |
| INST | WER ANY THREE QUESTIONS. Q. No 1 | | | | [3 ~ 2 - 1 | oj |
| 11. | Give the uses of gypsum. | to is comparsor; | | | | |
| 12. | Give the systematic names for the | following (a) lim | e (b) washing so | da (c) Caustic | potash | (d) lve |
| 13. | What happens when ethylene | | | | | (-)-)- |
| | permanganate. Write down the equat | | The state of | 1 | | 1 |
| 4. | Which is considered to be earth's pro | | ? Why? | | | |
| 5 | | | | | | |
| 6. | 3.15 g of oxalic acid dihydrate, is dis | | and the solution v | was made up to | 100 mL | |
| | using a standard flask. Calculate the | e normality of the | solution. | | | |
| | | PART - III | Ok. | | $[3 \times 3 =$ | 9] |
| INST | VER ANY THREE QUESTIONS. Q. No 2 | | | | | |
| 7. | Tabulate the similarities between ber | yllium and alumin | | 1112, | 1300 | |
| - /1 | Define reverse osmosis. | | | enry's law. | | 1 |
| 20.1 | Differentiate classical smog from | 9 | smog. | 110 | | in the |
| 21. | How will you prepare benzene from | phenol? | | A pharts | | 9.4 |
| 22. | | lentify 'X'. | | | | 11001 |
| | КОН | PART-IV | The Assessment of the Assessme | | $[2 \times 5 =$ | 10] |
| ANS | WER ALL THE QUESTIONS. | | | | | |
| 23. | a) (i) How is plaster of Paris prepared | ? Mention its use | S. | | (3) | |
| | (ii) Write the reaction between Milk | | | | (2) | (OR) |
| | b) (i) Define elevation of boiling poin | | ation for the deter | mination of mo | | of |
| | solute from elevation of boiling poin | | | | (5) | (O.D.) |
| 24. | a) Explain the structure of Benzene. | (Any Five Points) | | . 41 | (5) | (OR) |
| | b) (i) Define Green House effect. | | | | (2) | |
| | (ii) Mention any three harmful effect | cts of Acid Rain. | | | (3) | |

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