

(unre to any FIVE (5) questions: 10

LM ontate free radical and molecular ion.

Soft drink is a mixture and water is a compound. Justify.

What are the defects of Rutherford's atomic model?

Write down any two properties of cathode rays.

Define electronegativity. Which element has the highest value of electronegativity?

i} Why are the elements called S and P block elements?

ii] Why does the size of atoms decrease in a period?

ii] What is meant by effective nuclear charge?

Write short answers to any FIVE (5) questions: 10

Write the importance of electronic configuration of noble gases. ;

[ii] What is the effect of intermolecular forces on baiting point? . GA EO

i Write the electronegati@ty, ran 2 atoms.

v} Differentiatg di

How boili to vapour pressure of liquid?

{vi} De inept id ty? Write its formula |

aN fine endothermic reaction.

iii) Why does colloids show tyndall effect?

Write short-answers to any FIVE (5) questions: 10

Define reducing agent with an example.

Calculate oxidation state of nitrogen in $\text{Cu}(\text{NO}_3)_2$

What is the advantage of galvanizing?

Justify the given reaction is a redox reaction:

$2\text{Na} + \text{C} \rightarrow 2\text{NaC}$

Write down any two uses of magnesium.

Why is gold not used in pure form?

Write down the name of any four halogens.

PART - II

Note: Attempt any TWO questions

Q1] Write the five different compounds and

mixture. 6 marks

(5) metallic Bond is formed? Explain it with

examples. 4

Q2] Isotopes? Describe isotopes of carbon,

oxygen and chlorine. 5

Q3] Write down any four typical properties of gases. 4

Q4] Explain the construction and working of Daniel Cell,

draw diagram also. 5

[CD] Discuss the effect of temperature on solubility. 4

Q5]

How does methane react with chlorine in bright light?