NAME……………………………………………………………………………………..ADM. NO………………………CLASS……………

GATITU GIRLS’ SECONDARY SCHOOL

CHEMISTRY FORM 2 TERM ONE

TUNE UP EXAMINATION 2017

INSTRUCTIONS

1.Write your name ,admission number and class in the spaces provided above .

2.Answer all the questions in the spaces provide

3.All working must be shown where necessary.

 QUESTIONS.

1.a)What is the chemical name of rust ? (1mk)

 b)Name any three methods that can be used to prevent rusting . (3mks)

c)Name two factors the accelerate rusting . (3mks)

2.a)Give the elements found in mercury (ii) oxide . (2mks)

b)Give the chemical symbol of the following elements . (4mks)

Name of element Chemical symbol

|  |  |
| --- | --- |
| Potassium |  |
| Silver |  |
| Mercury |  |
| Calcium |  |
| Oxygen |  |
| Copper |  |
| Chlorine |  |
| Allumium |  |

 3.a)What are the products of the reaction of an acid and a base .(1mk)

b)Complete the following general equations by filling the word missing in the gaps

i)Acid +Hydrogen carbonate salt +……………………………………..+…………………………….(1mk)

ii)Acid +…………………………………………… ……………………………………….+water (1mk)

iii)Acid+……………………………………… ………………………………+Hydrogen gas

4.Hexane and ethanol are miscible liquid .Ethanol is soluble in water while hexane is insoluble.Describe how water can be used in the separation of hexane and ethanol .(Density of water is 1.00g/cm3,ethanol 0.79g/cm3 and hexane 0.66g/cm3) . (5mks)

5.The setup below used to study some properties of air.

i)Draw another diagram to show the level of water in the test tube after 24 hours. (3mks)

ii)Expain the observation above. (2mks)

iii)State and explain the observation made on the moist iron after 24hours . (3mks)

iv) State the disadvantages of what was made in (iii) above . (1mk)