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

GATITU MIXED SECONDARY SCHOOL

CHEMISTRY FORM 2 TERM 3 2014 END TERM EXAM

1. The diagram below shows a charcoal jiko (stove). Write the equations to show combustion in region A, B and C. Explain your answers fully. 6mks

1. Explain why charcoal is used in making gas mask. 1mk
2. Explain why amorphous forms of carbon do not conduct heat and electricity. 2mks
3. Give four examples of amorphous form of carbon. 4mks
4. Explain why diamond is used in drilling of metal . 1mk
5. Apart from drilling of metals give two uses of diamond. 2mks
6. Graphite is a good electrode explain . 1mk
7. Apart from being an electrode. Give other 3 uses of graphite. 3mks
8. Give reasons why lead carbonate and sulphuric acid are not suitable reagent in preparation of carbon Iv oxide. 2mks
9. Give a reason why carbon IV oxide is collected using downward delivery. 1mk
10. Carbon IV oxide does not support combustion. However Magnesium continues to burn in carbon IV oxide. Explain 3mks
11. The equation below show a certain property as carbon II oxide

CO(g) + CUO(s) → CU(s) + CO2(g)

1. Which is the reducing agent 1mk
2. What is oxidation? 1mk
3. State the observation made during the above reaction. 2mks
4. Give two physical property of carbon II oxide. 2mks
5. The set up below show preparation and collection of carbon iv oxide.

1. Write a balanced chemical equation for the reaction that took place flaskA 2mks
2. What is the role of sodium hydrogen carbonate? 1mk
3. Name another reagent that can be used in place of sodium hydrogen carbonate. 1mk
4. What is the role of concentrated sulphuric acid? 1mk
5. State another substance that can be used instead of calcium sulphuric acid. 1mk
6. Explain why lead carbonate cannot be used in place of calcium carbonate 2mks
7. Write a balanced chemical equation. Support your answer in (d) above. 2mks