A - 25
B - 25
Total 50

G.H.S. **CHEMISTRY** **S.1**

TIME: 1 Hr. 30 Mins. **Nov. 2013**

INSTRUCTIONS:
Attempt all questions in both sections A and B.
For section A, choose the most correct answer: A, B, C or D and write it in the answer sheet below.
For section B, answers must be written in the spaces provided.

ANSWER SHEET FOR SECTION A

01.	B	10.	B	19.	C
02.	B	11.	A	20	D
03.	B	12.	A	21.	C
04.	C	13.	D	22.	C
05.	A	14.	A	23.	C
06.	A	15.	B	24.	C
07.	D	16.	C	25.	B
08.	~~A~~ B	17.	B		
09.	A	18.	D		

SECTION A

1. A mixture of a solid and a liquid can be separated by
   A. Evaporation B. Filtration C. Distillation D. Crystallisation

2. Bronze is an alloy of
   A. Copper and lead
   B. Copper and tin
   C. Lead and tin
   D. Copper and zinc

3. The percentage of air used up when iron rusts is
   A. 78% B. 21% C. 0.03% D. 1%

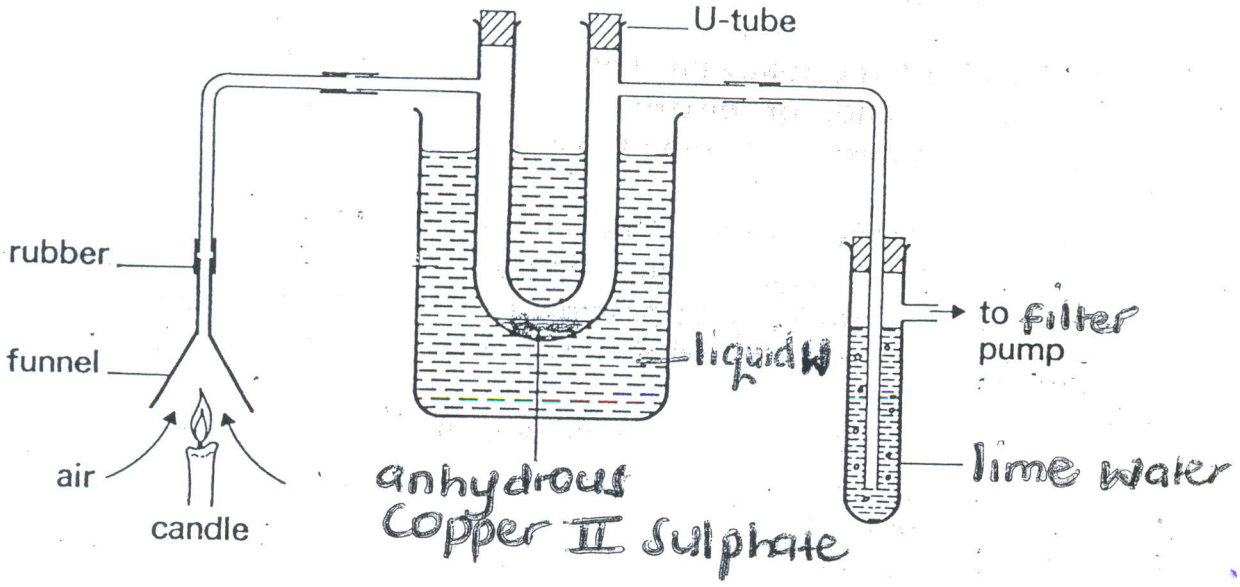
4. Which of the following substances sublimes when heated?
   A. Sodium chloride B. Iron C. Iodine D. Magnesium

5. Crude petroleum is a mixture of substances with different boiling points. It is best refined by use of
   A. Fractional distillation
   B. Sublimation
   C. Evaporation
   D. Filtration

6. Ink is a mixture. The best way of separating the dyes in ink would be
   A. Chromatography
   B. Distillation
   C. Filtration
   D. Evaporation

SECTION B (25 Marks)

26. Below is a diagram of the set up of apparatus used to investigate the products of combustion of a burning candle. Study it and answer the questions that follow.



a) What is the purpose of the filter pump in this experiment? *(1Mk)*

To pull the gaseous products through the apparatus

b)(i) What change would occur in the lime water after a short time? *(2Mks)*

It would turn from a colourless solution to milky

ii) Name the substance that causes the change in b(i) above. *(1Mk)*

carbondioxide

c)(i) What change would occur in the anhydrous copper II sulphate after a short time? *(2Mks)*

the white anhydrous copper II sulphate would turn blue