# TRENDING-GHANA EXAMINATIONS CONSULTS

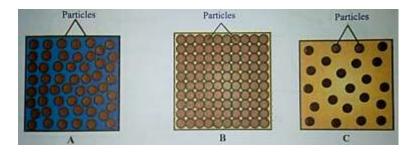
(INTELLIGENCE IS OUR HALLMARK)

### SUBJECT: INTEGRATED SCIENCE

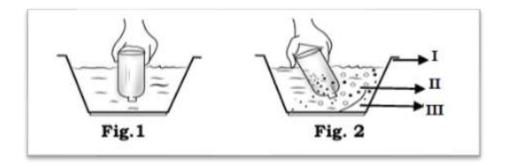
#### **SECTION B**

## PART I – PRACTICALS (20marks)

- 1. Answer all questions in part I
- a) The diagram **A**, **B** and **C** represent the arrangement of particles in the **three** states of matter *Study the diagram carefully and answer the following questions*



- i) **Identify** the diagrams labelled **A**, **B** and **C** above.
- ii) State two differences between diagrams A and B
- iii) Give two examples each of diagram labelled A, B and C
- b) Use the diagram below to answer the following questions.



- i) What is the aim of the experiment above?
- ii) Identify the various parts labelled I, II and III
- iii) What will be the observation after some minutes?
- iv) What conclusion can one make about this experiment?

#### PART II – ESSAY

## Answer all questions in this part

- **2**. a) Define the term *matter* 
  - b) List the *three* states of matter giving three examples each
  - c) Differentiate between a substance and a material
  - d) Explain the experiment to demonstrate the presence of air in the environment
- 3. a) Give *four* properties each of the three states of matter
  - b) Examine the following materials listed and group them under the three states of matter. chalk, air, oxygen, chair, wine, lemon juice, computer
  - c) Discuss *four* importance of solids in daily life activities
  - d) State *four* importance of water to human life
- **4**. a) Copy and complete the table below. (*Arrange elements in order*)

Atomic number	Element	Chemical symbol

- b) What is a *periodic table*?
- c) Give *four* properties *each* of metals and non metals
- d) State four uses of metals