



COURSE CODE: EGS 357  
 COURSE TITLE: INTRODUCTION TO EARLY GRADE SCIENCE III  
 TIME ALLOWED: 50 MINUTES

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- Answer TWO questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question from a new page.
- You are expected to handover your answer booklet to the invigilator before you leave the examination hall.

**SECTION ONE**

1. a. Classify the following plants mango, pride of Barbados, yam, centrosema under the given types of plants
  - i. Creeping plants
  - ii. Trees
  - iii. Shrub
  - iv. Climbing plants. (4marks)
- b. List four properties of water (4marks)
- c. Define the term germination? (2marks)

2. a. Complete the table below

| Soil type   | Particle size   | Nature of air spaces |
|-------------|-----------------|----------------------|
| Loamy soil  | Moderate/medium | .....                |
| .....       | .....           | .....                |
| Clayey soil | .....           | Small air spaces     |

(5marks)

- b. Distinguish between sexual reproduction and asexual reproduction (2marks)
- c. State one instrument appropriate for measuring the following
  - i. time used by an athlete to complete a 100-metre race.
  - ii. the mass of a bag of rice
  - iii. the weight of a newborn baby

(3marks)

available

3. a. Complete the table below

| Part of the Human body | Function   |
|------------------------|--|
| .....                  | Pumping of blood to and from all parts of the body |
| Skin                   | .....  |
| .....                  | For tasting food                                   |
| Eyes                   | .....  |
| Teeth                  | .....  |

(5marks)

b. State the conditions necessary for germination of seeds to occur.

(4 marks)

c. Distinguish between fundamental and derived quantities

(1mark)

4. a. Complete the table below

| Plant        | Method of Propagation  |
|--------------|------------------------|
| Ginger       | .....                  |
| Sugarcane    | .....                  |
| .....        | Propagation using bulb |
| .....        | Propagation using corm |
| Irish potato | .....                  |

(4 marks)

b. Mention two criteria for classifying animals.

(2marks)

c. Give the SI unit for the following quantities

- i. mass
- ii. temperature
- iii. volume
- iv. time

(4marks)

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