**Name**_____ **Index No.** _____

**Candidate's signature** _____

**Date** _____

**231/3**
**BIOLOGY**
**PAPER 3**
**PRACTICAL**
**JULY/AUGUST 2014**
**1 ¾ HOURS**

**KIBWEZI DISTRICT FORM FOUR INTER-SCHOOLS EXAMINATIONS**
**Kenya Certificate of Secondary Education**
**BIOLOGY**
**PAPER 3**
**1 ¾ HOURS**

**INSTRUCTIONS TO CANDIDATES**
Answer ALL the questions in the spaces provided in the question paper.
You are supposed to spend the first 15 minutes to read the whole paper carefully before commencing your work

**FOR EXAMINERS USE ONLY**

| Questions | Total marks | Candidates score |
|---|---|---|
| 1 | 12 | |
| 2 | 17 | |
| 3 | 11 | |
| Total score | 40 | |

***This paper consists of 5 printed pages***

***Turn Over***

Q1. You are provided with specimen Q. Cut into two halves. Squeeze juice from one half into a boiling tube. Using the reagents provided, test the food substances present in the extract from specimen Q
Record down the food substance being tested, procedure, observation and conclusion in the table below.

| Food substance | Procedure | Observation | Conclusion |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

(12mks)

Q2. You are provided with photographs of specimens labeled K and L. examine them and answer the questions that follow.


(a) Identify each specimen and name the class of the organism from which they were obtained. (2mks)

| **Specimen** | **Identity** | **Class** |
|---|---|---|
| K | _____ | _____ |
| L | _____ | _____ |

(b) Label all the parts of specimen K, on the photograph. (3mks)

_____

_____

_____

_____

(c) State the functions of each of the parts you have labeled in (b) above. (3mks)

_____

_____

_____

_____

_____

(d) State three ways in which the part labeled L is adapted to its functions. (6mks)

_____

_____

_____

_____

_____

_____

_____

(e) State the functional relationship between

(i) Specimen K and L (1mk)

_____

_____

_____

(ii) State two adaptations of the part labeled N to its function. (2mks)

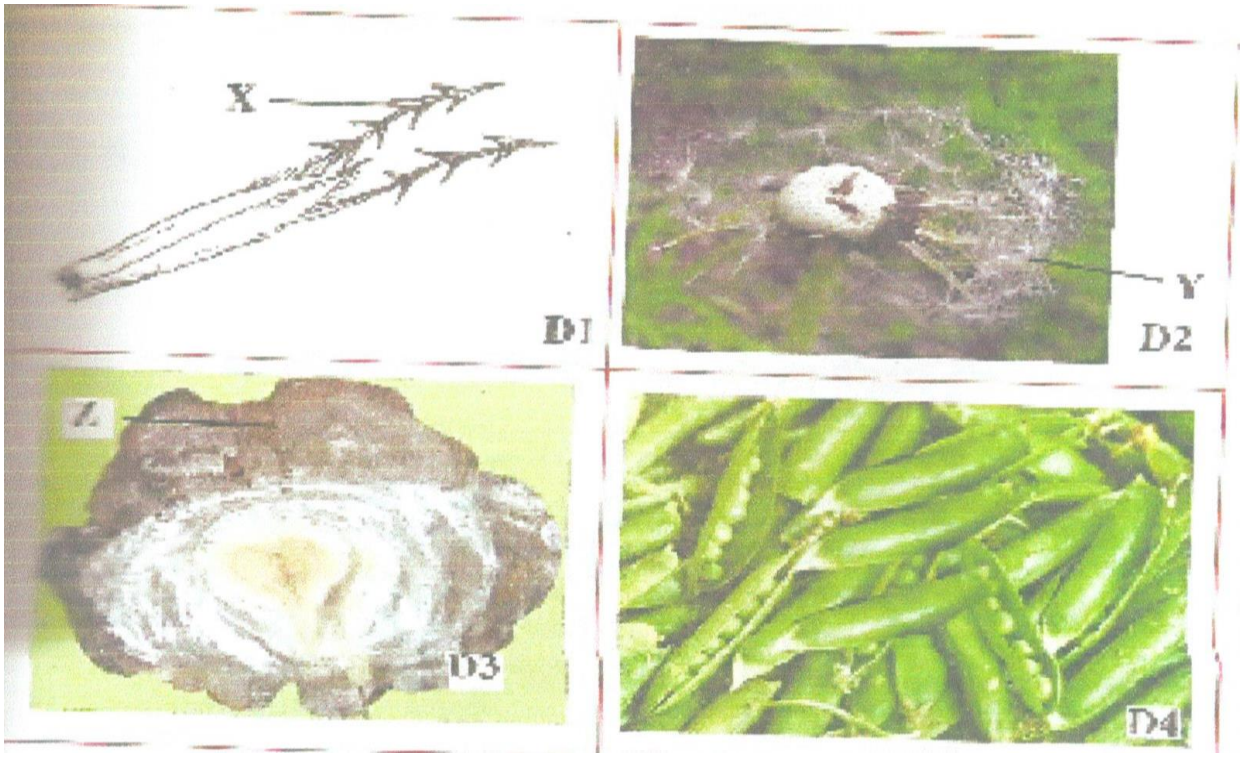
_____

_____

_____

_____

Q3. You are provided with photographs of specimens labeled D1, D2, D3, D4. Study them




4

(a) Name the parts labeled X, Y and Z on the photographs and give the function of each.

| Part | Function |
|---|---|
| X | |
| Y | |
| X | |

(6mks)

(b) State the method of dispersal of specimen D4 and give the reason for you answer. (3mks)

_____

_____

_____

(c) Name the type of gynoecium and placentation found in the specimen D4 (2mks)

**ANSWERS:**

Order a copy of answers from www.schoolsnetkenya.com/order-e-copy

NB> We charge Kshs. 100 ONLY to meet website, e-resource compilation and provision costs