231/3
BIOLOGY PAPER 3

CONFIDENTIAL

Provide each candidate with:-
- Solution L (Milk)
- Filter Paper
- Funnel
- 100ml Beaker
- 2 Test Tubes
- Bench solutions
- Iodine solution
- Copper (II) Sulphate
- Sodium Hydroxide

Name……………………………………… ………………………………………   Admission No: ………………………….

231/3   Candidate's Signature ………………………

BIOLOGY   Date: …………………………

Paper 3 (Practical)

Time: 1 ¾ Hours

FORM THREE

TERM THREE 2017

Kenya Certificate of Secondary Education (K.C.S.E.)

INSTRUCTIONS TO CANDIDATES

- Answer *all* the questions in the spaces provided.
- You are required to spend 15 minutes of the 1 ¾ hours allowed for this paper reading the whole paper carefully before commencing your work.
- Answer must be written in the spaces provided.
- Additional pages must not be inserted.

SECTION A (40 MARKS)
Answer all questions in this section in the spaces provided.

1. You are provided with a food sample labeled D in solution form. Using the reagents provided, carry out tests to identify the food substances in the food sample.   (12mks)

FOOD SUBSTANCE	PROCEDURE	OBSERVATION	CONCLUSION
Proteins			
Non-Reducing Sugar			

Starch			

2. You are provided with the specimen labeled E. Examine it carefully and answer the questions that follow.
   (i) Name the class of the plant from which the specimen E was obtained. (1mk)

   (ii) Using observable features only, name **three** reasons for your answer in (i) above. (3mks)

   (iii) Name the agent of pollination for the flowers of specimen E. (1mk)

   (iv) State **four** observations on the specimen E that support the answer in (iii) above. (4mks)

   (v) Draw and label the pistil of specimen E. (4mks)

3. The photographs below represent different types of animals. Study them carefully and answer the questions that follow.
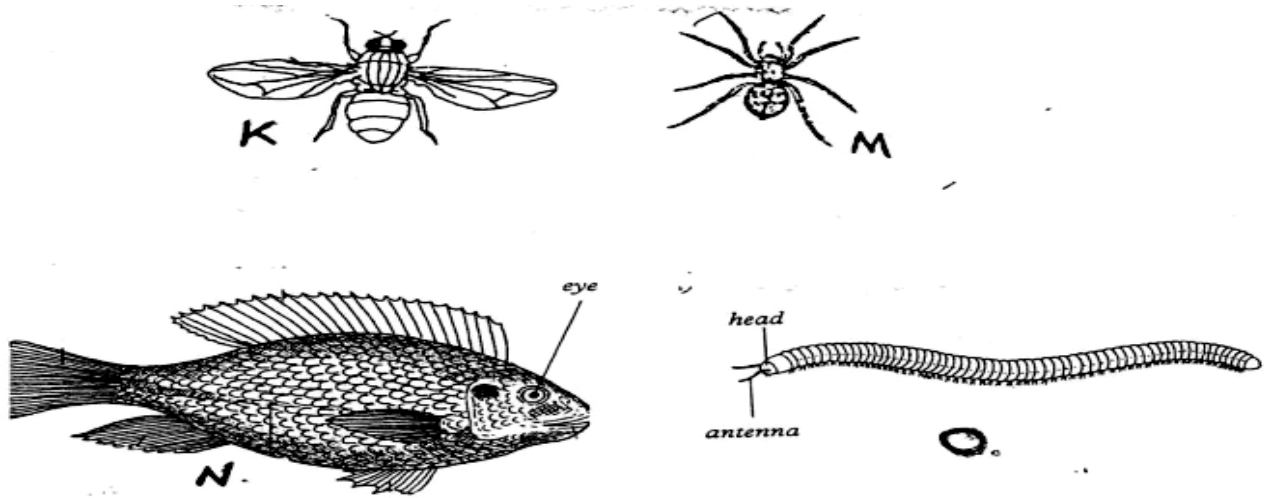
(b) State **two** observable differences between K and M.   (2mks)

(c) Classify specimen M into the following taxa giving reasons for each case.
(i) Phylum   (1mk)

   Reasons   (3mks)

(ii) Class   (1mk)

(iii)Reasons (3mks)

(d) Name the type of skeleton found in the specimen O. (1mk

(e) (i) Name the class to which the specimen N belongs. (1mk)

(ii) Give **three** reasons for your answer in (d) (i) above. (3mks)