NAME..... ADM NO.....CLASS.....

SCHOOL ..... SIGNATURE.....

DATE.....

231/3
BIOLOGY
PAPER 3
(PRACTICAL)
FEB 2014
Time: 1¾ Hours

BUNYORE – MARANDA JOINT EXAMS 2014

Instructions to candidates

*Answer **all** questions in the spaces provided.*
You are required to spend the first 15 minutes of the 1¾ hours allowed for this paper reading the whole paper carefully before commencing your work.
*Answers **must be** written in the spaces provided in the question paper.*

For Examiner's Use Only

Question	Maximum Score	Candidate's Score
1	17	
2	16	
3	7	
Total Score	40	

1. (a) Using food sample labeled **P** and the reagents provided, design food tests and record the procedure, observations and conclusions. (12mks)

Food Substance	Procedure	Observation	Conclusion

(b) Mention **three** enzymes that may be required to digest the contents of food sample **P** in the alimentary canal of a mammal. (3mks)

_____

_____

_____

_____

(c) (i) State the purpose of hydrochloric acid in the experiment. (1mk)

_____

_____

_____

(ii) State the purpose of sodium hydrogen carbonate in the experiment. (1mk)

_____

_____

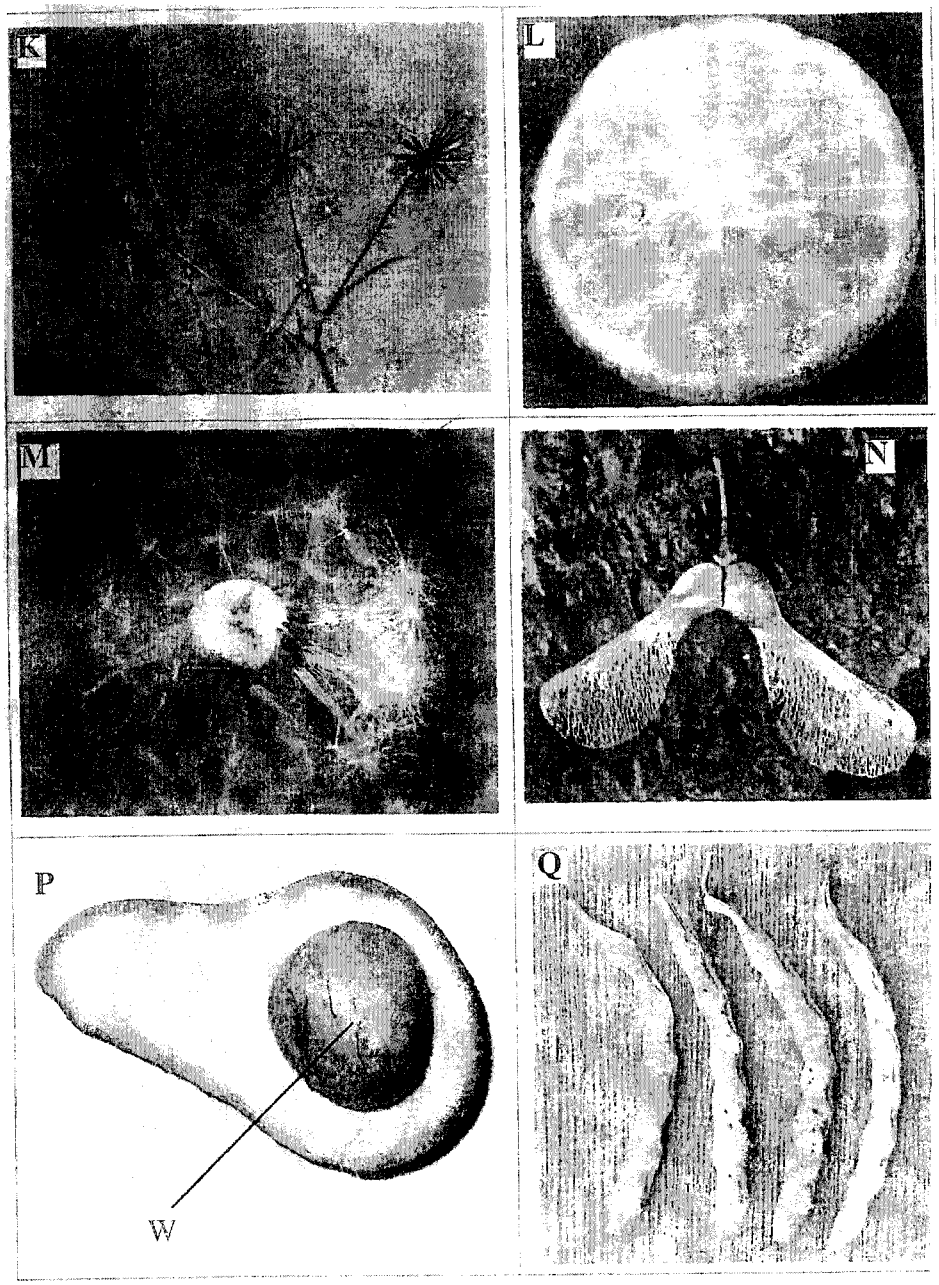
_____

2. The photographs labeled **A** represent specimens obtained from plants. Examine the photographs.

(a) In the table **below** name the mode of dispersal and the features that adapt the specimen(s) to that mode of dispersal. (12mks)

Specimen	Mode of dispersal	Adaptive Features

(b) **Below** are photographs of specimens obtained from plants. Examine the photographs.



(i) Label any **two** parts on specimen **L**. (2mks)

_____

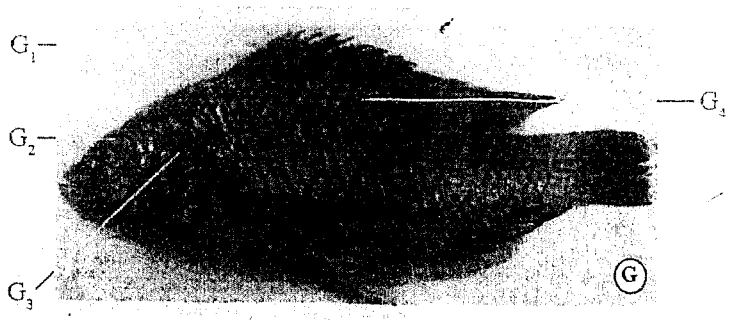
(ii) State the type of placentation in specimen **L**. (1mk)

_____

(c) Name the structure labeled **W** on specimen **P**. (1mk)

_____

3. You are provided with a photograph of a specimen **G**. Study it and answer the questions that follow.



(a) (i) Identify the class to which the specimen belongs. (1mk)

_____

(ii) Give **two** reasons for your answer in (a)(i) above. (2mks)

_____

_____

_____

_____

(b) Name and state the function of part labeled **G3**. (2mks)

_____

_____

_____

(c) (i) From your answer in (b) above name the structure enclosed by **G3** and state it's function. (2mks)

_____

_____

_____

_____