ALLIANCE HIGH SCHOOL

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

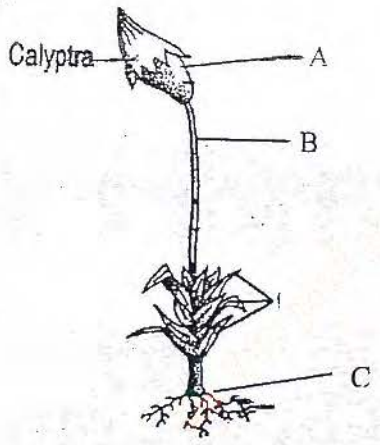
BIOLOGY
PAPER 231/3
TRIALS, 2 017
TIME: 1 ¾ HOURS

You are required to spend the first 15 minutes of 1 ¾ hrs allowed for this paper reading the whole paper carefully before commencing your work.

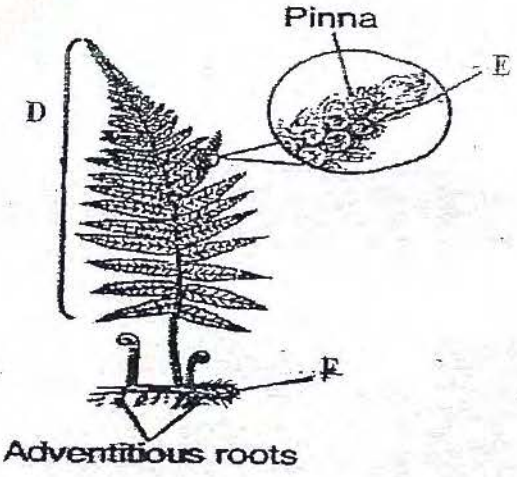
Answers must be written in the spaces provided in the question paper

Additional pages must not be inserted.

1 (a) (i) On diagram P and Q label the parts A, B, C, D, E and F (6mks)



Specimen P



Specimen Q

ii) Name the divisions of P and Q (2mks)

P.....

Q.....

b On diagram P show the part representing gametophyte and sporophyte (2mks)

2. You are provided with a cross-section specimen labeled N.Study it and answer the questions that follow.

(a)Draw and label the section specimen (4mks)

(b)Name the type of placentation (1mk)

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(c)Explain how the outermost layer is adapted to its function (2mks)

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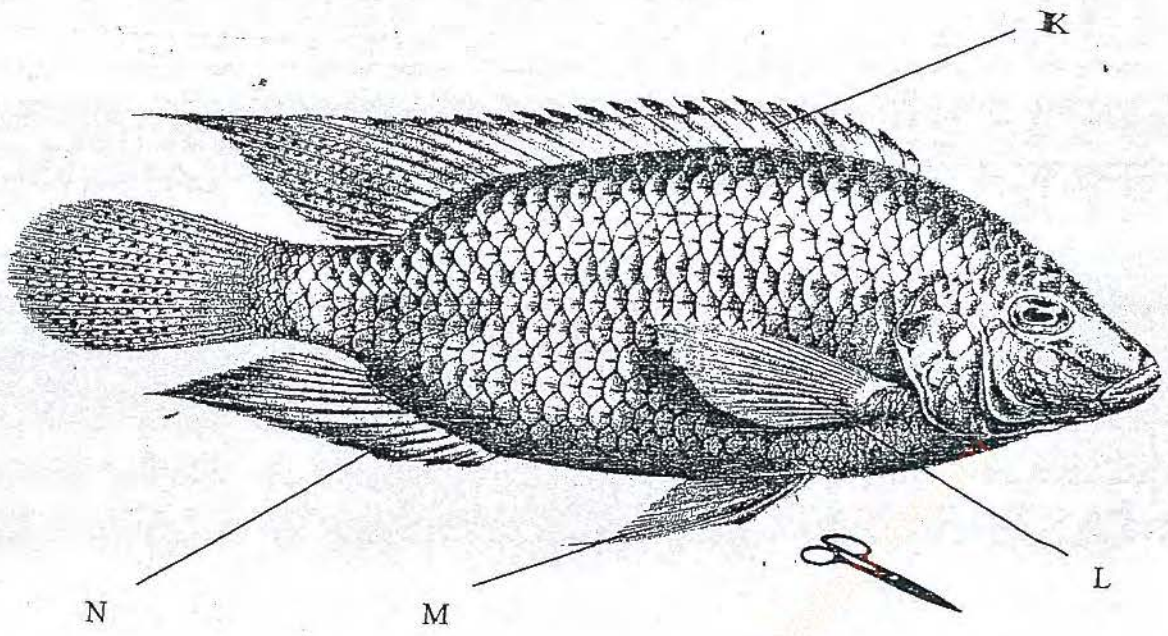
(d) Squeeze the juice from the specimen to obtain the extract in a measuring cylinder. Use the extract to carry out the food test and record the results in the table below (12mks)

FOOD	PROCEDURE	OBSERVATION	CONCLUSION

3. Study the photograph below and answer the questions below



(a)Name the parts labeled K, L, M, and N (4mks)

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(b)Explain how skeletal muscles found in the specimen bring about locomotion (2mk)

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(c)Name the fins that would lead to the following in fish during locomotion if they were cut off (2mks)

(i) Pitching.....

(ii) Yawing.....

(e) The actual length of the pair of scissors next to the fish is 14.4cm.Calculate the actual length of the specimen

(3mks)

Confidential trials

2 test tubes

~~Benedict's sol~~

Copper (II) sulphate

Sodium hydroxide

filter paper

Specimen N Orange

Source of heat