

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

BIOLOGY
231/3
PAPER 3

INSTRUCTIONS:-

- Answer all the questions in this paper
- You are supposed to spend the first 15 minutes of the $1\frac{3}{4}$ hours allowed for this paper reading the whole paper carefully before commencing your work.
- Answers must be written in the spaces provided on the question paper.
- Answers **MUST** be written in English only.

FOR EXAMINER'S USE ONLY.

Question	Max Score	Candidate' s Score
1	14	
2	12	
3	14	
Total	40	

Q1. (a) You are provided with specimen **F** using a scapel, make a transverse section of **F**.
Draw one half of **F** and label four parts.

(4mks)

(b) Name the type of fruits represented by specimen **F**.

(1mk)

(c) State the type of placentation in Specimen **F**.

(1mk)

(d) (i) By what means specimen **F** dispersed.

(1mk)

(ii) Give a reason for your answer in d (i) above.

(1mk)

(e)(i) Squeeze the juice from Specimen **F** using the reagents provided, carry out the required food
Tests and complete the table below.

<i>FOOD SUBSTRATE</i>	<i>PROCEDURE</i>	<i>OBSERVATION</i>	<i>CONCLUSION</i>

(4mks)

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.....

Q3. You are provided with specimen **PQR** and **S** obtained from the same animal.

a.(i) Name each of the specimens **PQR** and **S** (4mks)

P _____

Q _____

R _____

S _____

(ii) State the part of the body from where each of the specimens were obtained, (3mks)

P _____

Q _____

R and **S** _____

b, Examine specimen **P** with reasons name the type of joints formed at the proximal/ anterior and distal/

Posterior end proximal. _____ (4mks)

Reason: _____

Distal end: _____

Reason: _____

c. Name the bone which articulates **P** and **Q**. (1mk)

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d. State **two** ways by which specimen **Q** is adapted to its functions. (2mks)

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