

## ALLIANCE GIRLS HIGH SCHOOL MOCK 2017 BIOLOGY PAPER 3

1. (a) You are provided with solution labelled A. Use the reagents provided to carry-out food tests to find the nutrients present.

Record your observations, procedures and conclusion in the table below. (9 marks)

TEST	PROCEDURE	OBSERVATIONS	CONCLUSSION

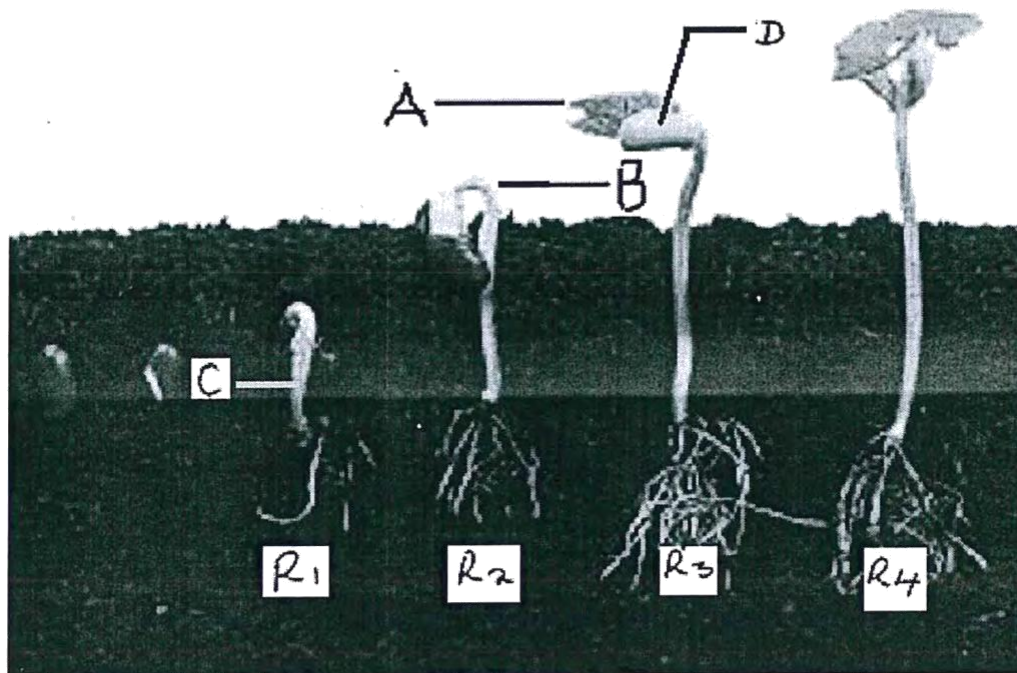
- (b) (i) If solution A was urine sample from a patient, name the organ that could have a problem.

(1 mark)

- (ii) Name the condition that could cause above observations.

(1 mark)

2. Study the diagrams below and use it to answer the questions that follow



(a) (i) What is the name of the type of germination above (1 mark)

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(ii) Give a reason for your answer in a above. (1mark)

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(iii) Name parts labelled. (4 marks)

A.....

B.....

C.....

D.....

(iv) State **two** significance of part labelled **D** in germination. (2 marks)

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(v) Name **two** stimuli that are acting on R2 and R3 to become R4. (2 marks)

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(vi) Briefly describe how part labelled **B** straighten. (3 marks)

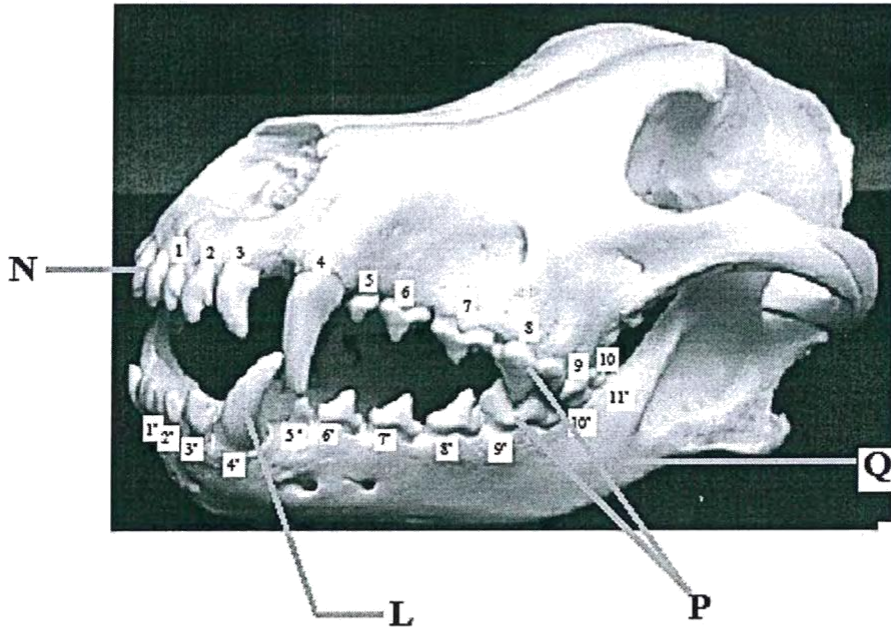
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(v) Compare how part labeled **C** would respond differently as compared to part **B**. (2 marks)

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State how the response in A is beneficial to the plant

3. The image shown below represents a skull of an animal use it to answer the questions that follow.



(a) Name parts labelled (3 marks)

- (i) N .....
- (ii) L .....
- (iii) P .....

(b) (i) State the mode of feeding of the animal. (1mark)

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(ii) State **two** adaptations of the animal shown to its mode of feeding. (2 marks)

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 .....  
 .....

(c) Write the dental formula you can get from the photograph above. (2 marks)

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(d) Comparison between dentition of the above with what you can expect from a herbivore. (4 marks)

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(e) Identify part labeled **Q** and state its role. (2 marks)

**Q**  
.....

Role  
.....