

THE KENYA NATIONAL EXAMINATION COUNCIL
Kenya Certificate of Secondary Education

231/1



BIOLOGY
Nov. 2024 - 2 Hours

Paper 1



Name: Index NO:

Student's Signature: Date:

MARKING SCHEMES

1. (a) Flowering plants can be divided in two groups; monocotyledons and dicotyledons. Complete the table below to state the differences between these two types of flowering (2marks)

Plants

Difference	Monocotyledons	Dicotyledons
Pattern of leave veins	Parallel	Branched/reticulate/network;
Number of petals present	3/multiples of 3	4 or 5/multiples ;

- (b) Explain why division Pteridophyta considered more advanced than division Bryophyta (2marks)

Posses clearly defined vascular system;(xylem and phloem).

Highly differentiated into roots, stems and leaves;

Fertilization pteridophytes is independent of water availability;

2. Sometimes teeth develop dental decay. Describe how dental decay develops. (3marks)
Bacteria(in mouth); change or respire sugar/named sugar(in food). To acid/ lactic acid; acid dissolves / attacks enamel/ teeth dentine.

3. (a) Explain why each of the following steps is carried out during preparation of slides for microscopic preparation. (3marks)

i. Fixation

To conserve the specimen hence it can be reused;

ii. Cutting thin section

For easy illumination/Allow light to pass through;



Kcse 2biology Paper 1

M Carnoy



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Part 1 & Part 3 Paper Curtis, Rebecca, Helena Curtis, 1989-11-15
paper ,1999 *Biology* Zulqarnain Mohamed, 2009

Biology ,1995

Biology 1 Plant Science, examination

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finding the melting point

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web in this lab trimyristin is extracted from ground nutmeg occurring in many vegetable oils as well as myristic acid
trimyristin consists of long saturated hydrocarbon chains and it is relatively nonpolar thus using a relatively nonpolar solvent
trimyristin can be easily extracted by the concept of like dissolves like

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