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# 231/3 PDF Compressor Free Version LOGY

Paper 3

(Practical)

## Mar. 2022 - 13/4 hours



Name	Index Number
Candidate's Signature	Date

2021 KCSE 2021 KCSE

#### Instructions to Candidates

- (a) Write your name and index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) Answer all the questions in the spaces provided.
- (d) You are required to spend the first 15 minutes of the 134 hours allowed for this paper reading the whole paper carefully before commencing your work.
- (e) Additional pages must not be inserted.
- (f) This paper consists of 7 printed pages.
- (g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (h) Candidates should answer the questions in English.

Question	Maximum Score	Candidate's Score
1-1	14	
2	14	
3	12	







- 1. (a) You are provided with plant specimens labelled E, F, G, H, and J. Use the specimens to PDF develop a dichotomous key that can be used to identify the plants from which they were obtained based on the following characteristics in the order they are given: (6 marks)
  - (i) Leaf form
  - (ii) Leaf venation
  - (iii) Leaf colour





(b) ]	for starch Com	pressor Free Version	(3 marks)
	r Jarda, s		
c)	•	ne observable feature that adapts plants from which specimen C to a dry environment.	G and H were
	G		(2 marks)
	н		(2 marks)
		Teacher on ke	
(d)	Besides	leaf characteristics, state one other observable characteristic on the	ne plant from
		pecimen F was obtained that enables it to be placed in its Class.	(1 mark)



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2. You are provided with solution M which is a food substance.

### Procedufe Compressor Free Version

(a) Using the reagents provided, test for the food substance present in substance  $\mathbf{M}$  and complete the table below. (12 marks)

Food Test	Procedure	Observation	Conclusion
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	en 1 en . Lon e s	D	



3.



	DF Compressor Free Version	(2 marks)
		••••••
	The first term of the state of	
liffer	ent conditions.	vn under
liffer	State <b>two</b> observable differences between the two specimens.	
iiffer		
difference (a)		(2 marks





(b) PDF	(i) Com	Name the phenomenon observed in specimen N.  pressor Free Version	(1 mark)
	(ii)	Explain how the knowledge on the phenomenon named in b(i) is agriculture.	applied in (2 marks)
(c)	Acco	ount for the appearance of specimen N.	(3 marks)
	•••••		
	••••••	Teacher.co.ke	••••••
	•••••	3	
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(d)	State two other environmental factors necessary for seed germination apart from PDF Compressor Free Version		
(e)	State <b>two</b> observable features on the specimens that make them be placed in the Class.	e same (2 mark)	
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