	/ANGV	VA CLUSTI WI SCHOOL CERTII	ER EXAMINATIONS FICATE OF EDUCATION MOCK EXAMINATIONS SIOLOGY
			PAPER II (40 marks) Practical
			Subject Number: M022/II Time Allowed: hour sessions
Instructions			
2.Write your 3.This paper B has 4.Answer all number of m all drawings 5.In the table 6.At the end to stop writin	Name or Ex contains to two questi the four questi narks for ea provided of of the exam	wo sections, A and ions on experiment lestions in the space lich answer is indicated on this page, tick ago innation, hand in you	r at the top of this page and every sheet  B. Section A has two descriptive questions and Section
Question Number	Tick if answere	Do not write in	
Nullibei	d	these columns	
1			
2			
3			
4			
Section A (2	0 Marks) Es	ssays	

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	(10 marks)
2.Describe an experiment you can carry out to measure vital capacity a lungs. In your essay, include the procedure, observation and conclusion	
83	
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SECTION B (20 marks)	(10 marks)

3. You are provided with specimen R and S

a. To which group of flowering plants does specimen  ${\bf R}$  belong?

NAME OF CANDIDATE:	
	1mark
b.Explain <b>one</b> adaptation of specimen <b>S</b> that enables it to surviv	e in dry habitats.
	2marks
c.Measure the length of specimen R and record it in millimeters.	
	1 mark)
d.Calculate the magnification of specimen R if its drawing is 165	omm long.
e.State	
2	entertainen entert
3,	3 marks
You are provided with each of the following	
★ Specimen W.	
★ 2 beakers containing solutions P and Q.	
★ a scalpel or knife.	
<ul> <li>Peel the specimen and cut it into 2 equal slices of 2cm by 1 cm knife</li> </ul>	by 0.5cm by using t

0.5cm

P	from Beaker	Flexibility	Length
Р			
Q			
			4mari
b.Identify each		and <b>Q</b> by their concentra	ations and give an explanation for your
(i)Hypotonic so	lution		
			1mark
Explanation			
			2marks
(ii)Hypertonic s	olution		
			1mark

NAME OF CANDIDATE: \_\_\_\_\_

Put one slice in each of the beakers

END OF QUESTION PAPER