NAME	INDEX NO		
	CANDIDATE'S SIGNATURE		
	DATE		

231/3 BIOLOGY (PRACTICAL) PAPER 3 JULY/AUGUST 2011 TIME: 1 HR. 45 MINS.

NANDI SOUTH, NANDI EAST AND TINDIRET DISTRICTS JOINT EXAMINATION 2011

Kenya Certificate of Secondary Education BIOLOGY PAPER 3 (PRACTICAL)

INSTRUCTION TO CANDIDATES:

Write your Name and Index Number in the spaces provided above.

Sign and write the **date** of examination in the spaces provided **above**.

Answer all the questions in the spaces provided.

You are required to spend the first 15 minutes of the 1¾ hours allocated for this paper reading the whole paper carefully before commencing your work.

Candidate may be penalised for recording **irrelevant** and **incorrect** spellings especially of technical terms.

FOR EXAMINER'S USE ONLY:

Question	Maximum Score	Candidate's Score
1	17	
2	13	
3	10	
Total Score	40	

Biology Paper 3 Turnover

TEST TUBE	OBSERVATION	CONCLUSIO
A		
В		
С		
	30 minutes perform the iodine test on the contents of ecord your observations and conclusions in the table OBSERVATION	
В		
С		
С	results at the end of the experiment.	

You are provided with solution L_1 , L_2 and L_3 .

1.

	(11)	Give a reason to your answer in d(i) above.	(1mi
(e)	Sugges	t where the process being investigated in this experiment would take place in h	numans. (1ml
You ar	Giving	led with specimen V. Examine it and answer the question that follow. a reason, state the division to which the specimen belongs.	(2ml
	Reason		
(b)		a scalpel make a longitudinal section of the flower and examine it with the help Oraw and label the section you have cut.	o of a han (3ml
(c)	Describ	be the flower as fully as possible.	(5m

	(d)	(1)	Identify the agent that pollinates this flower.	(1mk)
		(ii)	Give two reasons to support your answer in (i) above.	(2mks)
3.	You	are provi	ided with specimen W in a petri-dish. Study it and answer the questions that for	
	(a)	Classi	Ify the specimen giving reasons.	(4mks)
		(i)	Phylum	
			Reasons	
		(ii)	Class	
			Reasons	
	(b)	State	with reason three modes of locomotion exhibited by the specimen.	(6mks)
		(i)	Reasons	
		(ii)		
			Reasons_	
		(;;;)		
		(iii)	Reasons	