

Name..... Index No.....
School..... Candidate's sign.....
Date.....

231/3
BIOLOGY
PAPER 3
PRACTICAL
July/August 2010
Time: 1 ¾ HOURS

BURETI DISTRICT JOINT EVALUATION TEST – 2010
Kenya Certificate of Secondary Education (K.C.S.E)

BIOLOGY
PAPER 3
PRACTICAL
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INSTRUCTION TO CANDIDATES

1. Write your name and index number in the spaces provided at the top of this page.
2. Sign and write the date of examination in the spaces provided above.
3. Answer **all** the questions.
4. You are required to spend the first **15** minutes of the **1 ¾** hours allowed for this paper reading the whole paper carefully before commencing your work.
5. Answers **must** be written in the spaces provided in the question paper.
6. Additional pages must not be inserted.
7. Candidates may be penalized for recording irrelevant information and incorrect spelling especially technical terms.

FOR EXAMINER'S USE ONLY

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	12	
2	15	
3	13	
TOTAL	40	

This paper consists of 4 printed pages. Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing.

1. a) You are provided with a solution labeled X. Using the reagents provided carryout the Food test of the solution provided and fill in the table below. (8mks)

Food Substance	Procedure	Observation	Conclusion

b) From each compound found above, state how cells in animals assimilate it. (4mks)

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2. You are provided with specimen Y. Use it to answer questions below

a) Without removing the pistil, remove the other floral structures. Count and record in the table below. Give the name of each floral part counted starting from outermost one.

Floral part	Number of the floral parts

(8mks)

b) Draw a well labeled diagram of a lateral view of a pistil after removing other floral parts. (4mks)

c) i) State the agent of pollination of the specimen Y (1mk)

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ii) Give any two observable features that made you to give your answer in c) i) above. (2mks)

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3. You are provided with specimen Z. Use it to answer questions below.

a) Observe the specimen and classify it as follows (3mks)

i) Kingdom

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ii) Phylum

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iii) Class

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b) Give any two observable features that made you to give your answer in a) ii) above(2mks)

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c) Make a well labeled diagram of a lateral view of specimen Z (4mks)

d) In which environment was the specimen Z got? (1mk)

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e) How is the specimen Z adapted for locomotion in the environment you gave in d) above? (2mks)

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f) Name a gaseous exchange organ suited for environment you gave in d) found in the specimen Z (1mk)

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