

Name

Index No.....

School

Candidate's Signature

Date

231/3
BIOLOGY
PAPER 3
(PRACTICAL)
JULY/AUGUST
TIME: 1³/₄ HOURS

KITUI WEST DISTRICT JOINT EVALUATION TEST - 2011
Kenya Certificate of Secondary Education

231/3
BIOLOGY
PAPER 3
(PRACTICAL)
TIME: 1³/₄ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the spaces provided
2. Answer **ALL** the questions in spaces provided.
3. You are required to spend the first 15 minutes of the 1³/₄ allowed for this paper reading the whole paper carefully before commencing your work.

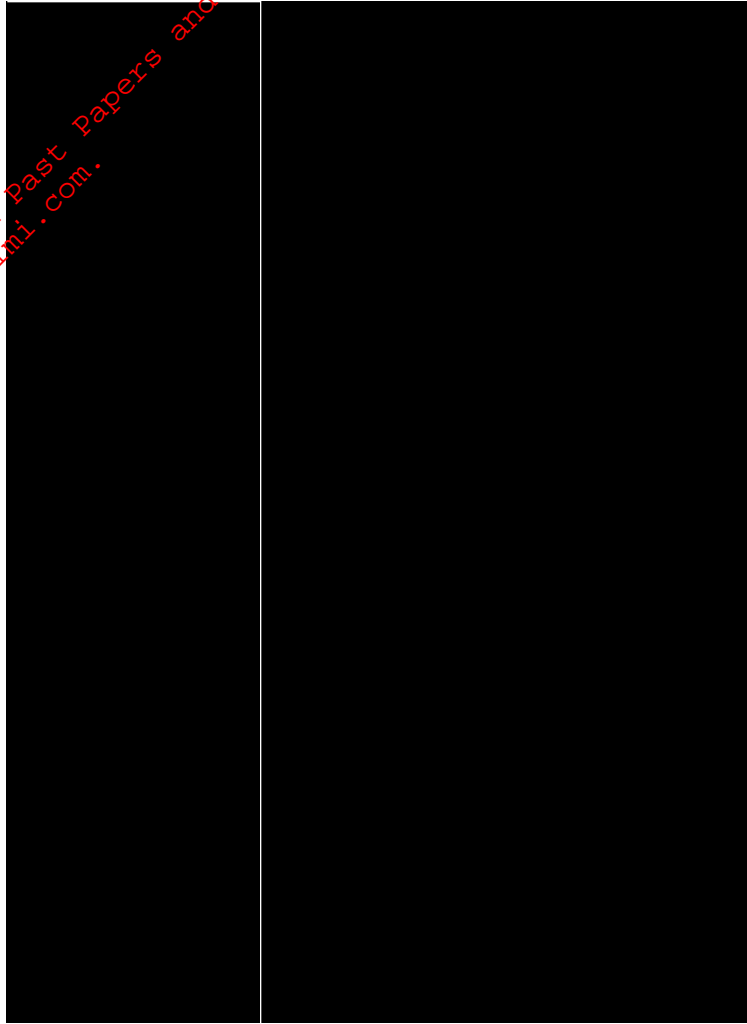
FOR EXAMINER'S USE ONLY

Question	Max. Score	Candidate's score
1	15	
2	13	
3	12	
TOTAL SCORE	40	

This paper consists of 6 printed pages.

Candidates should check to ensure that all pages are printed as indicated and no questions are missing

1.



For More Free KCSE Revision Past Papers and Answers
Visit <http://www.joshuaarimi.com>.

Above is a drawing representing a dissection of an organism, study it and answer the question below.

a) Name the parts labeled P and Q (2Marks)

P

.....

Q

.....

b) From the observable features only, explain the adaptations of the parts labeled R to its functions. (3Marks)

.....
.....
.....
.....
.....

c) Explain the role of the part labeled S.

.....
.....
.....
.....

d) With reasons, classify the organism into; (4Marks)

i) Kingdom

.....

Reason

.....
.....
.....
.....

ii) Class

.....

Reason

.....
.....
.....

e) Determine the actual length of the organism in mm. (Show your working) (3Marks)

.....
.....
.....

2. You are provided with a specimen labeled L.

a) With two reasons identify the specimen (3Marks)

i)

Identify

.....
.....

Reasons

.....
.....
.....

b) What is the importance of the specimen to the plant from which the specimen was obtained?
(1Mark)

.....
.....

c) Peel the specimen and cut it into small pieces. Place the pieces in a mortar, add some water and crush the pieces with a pestle. Discard the fluid and using the reagents provided test for;

i) Reducing sugars:

Procedure (1Mark)

.....
.....
.....

Observation (1Mark)

.....
.....
.....

Conclusion (1Mark)

.....
.....
.....

ii) Starch

Procedure (1Mark)

.....
.....
.....

Observation (1Mark)

.....
.....
.....

Conclusion (1Mark)

.....
.....
.....

iii) Proteins

Procedure

(1Mark)

.....
.....
.....

Observation

(1Mark)

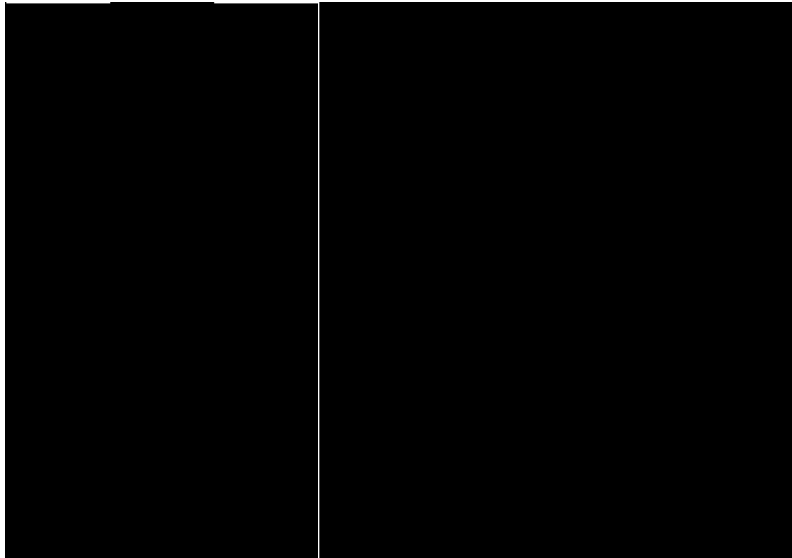
.....
.....
.....

Conclusion

(1Mark)

.....
.....
.....

3.



Above are photographs labelled P, Q, R, S, T and U of fruits obtained from different plants. Examine them and answer the questions underneath.

a) With reasons, determine the modes of dispersal for the fruits labeled Q,R and S (6Marks)

Q

.....

Reason

.....
.....
.....

For More Free KCSE Revision Past Papers and Answers
Visit <http://www.joshuaarimi.com>.

R

.....

Reason

.....

.....

.....

S

.....

Reason

.....

.....

.....

b) State the form of placentation in Q,S,T and U

(4Marks)

Q

.....

S

.....

T

.....

U

.....

c) With a reason, identify the type of fruit represented by specimen U

(2Marks)

Type

.....

Reason

.....

.....

.....