

Name.....

Index No...../.....

School.....

Date

Candidate's Signature.....

231/3
BIOLOGY
Paper 3
(PRACTICAL)
July / August, 2012
Time: 2 Hours

TESO SOUTH DISTRICT JOINT EVALUATION TEST - 2012
Kenya Certificate of Secondary Education – K.C.S.E

231/3
BIOLOGY
Paper 3
(PRACTICAL)
July / August, 2012
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INSTRUCTIONS TO CANDIDATES

1. Write your name and Index Number in the spaces provided above.
2. Sign and write the date of the examination in the spaces provided above.
3. Answer all the questions in the spaces provided.
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. Additional pages must not be inserted.

FOR EXAMINER'S USE ONLY

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	15	
2	10	
3	15	
TOTAL SCORE		

This paper consists of 8 printed pages.

Candidates should check the question paper to ascertain that all pages are Printed as indicated and that no question is missing

1. (a) You are provided with liquids labeled T and S. Select and use the reagents provided to test for

food substances present in liquid T.

Food substance	Procedure	Observation	Conclusion

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(b) Put 1 cm³ of liquid T in a test tube. Add three drops of liquid S and shake. Record your observation. (1 mk)

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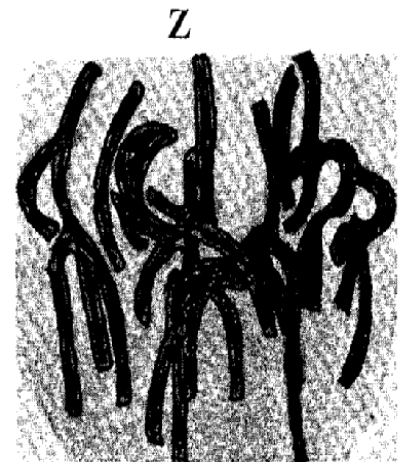
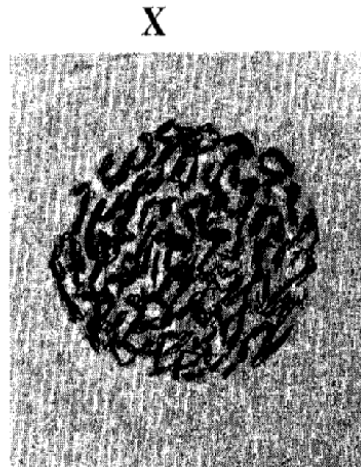
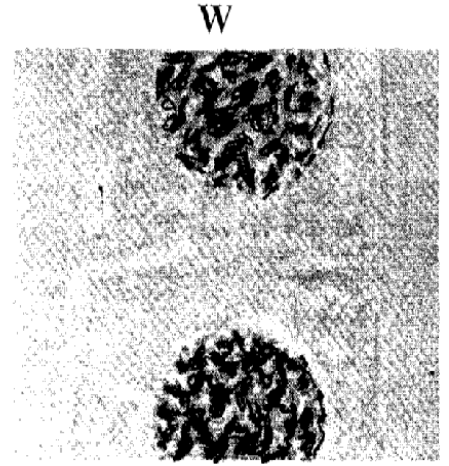
(c) Name the part of human alimentary canal where the process observed in (b) above occurs. (1 mk)

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(d) State the biological significance of the process named in (c) above in man. (2 mks)

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2. The micrograph below shows stages in a type of cell-division that occurs in organisms.



(a) State the type of cell-division.

(1 mk)

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(b) Identify the stages indicated by letters. (4 mks)

V

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X

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.....

Y

.....
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Z

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(c) Name the type of cells in which the above process occurs. (1 mk)

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(d) State **two** significance of this type of cell-division. (2 mks)

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(e) From the micrograph, suggest with reason (s) whether the cell-division shown occurred in plants or animals. (2 mks)

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(a) Identify the flowers type in photograph P₁ and P₂.

(2 mks)

P₁

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P₂

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(b) (i) Suggest the likely agent for pollination for the flower.

(1 mk)

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