GATITU DAY MIXED SEC SCHOOL

BIOLOGY FORM 3 CAT 2

TERM 2 2012 MIDTERM EXAM

1. The diagram below represents a stage during cell division.

a) Name parts A, B, and C (1mk)

b) Identify the stage of cell division (1mk)

c) Give two reasons for your answer in (b) above (1mk)

2. Name the five classes of phylum chorrdata (2.5 mks)

3. What is the excretory product of marine fish (1mk)

4. Some glucose was boiled and cooled in a boiling tube. Some yeast suspension was added and a layer of oil added on top. The experiment was set as in the diagram below.

a) Explain why.

i) glucose was boiled (1mk)

ii) Glucose was cooled (1mk)

b) State the role of the layer of oil (1mk)

c) State the observations made:

i) In yeast glucose mixture (1mk)

ii) In lime water (1mk)

5. What is: (3mks)

i) lethyology

ii)Entomology

iii) Cytology

6. Give four rules of Binomial nomenclature. (4mks)

7. Write the following equations (3mks)

i) Photolysis

ii) Carbon (iv) oxide fixation

iv) Photosynthesis

8. List 3 types of polysaccharides (3mks)

9. Describe the mechanism of exhalation in mammals (4mks)