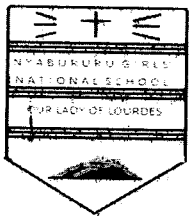
NAME..... CLASS ..... C/NO .....

SIGNATURE.....



233/1 BIOLOGY

FORM ONE

END OF TERM 1 ,2014

TIME: 2HOURS

INSTRUCTIONS TO THE CANDIDATES:-

- Write your **name, class** and **class number** in the spaces provided.
- Answer ***all*** the questions in the spaces provided.
- All working **must** be clearly shown where necessary.

FOR EXAMINERS USE ONLY

QUESTIONS	MAXIMUM SCORE	SCORE
1-20	1OO MKS	

THIS PAPER CONTAINS 7 PAGES.

1. Define the term biology (1mk)

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2. Name the branch of biology that deals with;

a) Study of plants (1mk)

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b) Study of animals (1mk)

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c) Study of living organisms in the surrounding (1mk)

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d) Study of inheritance and variation (1mk)

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e) Study of insects (1mk)

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f) Study of science of classifying organisms (1mk)

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g) Study of science of microorganisms (1mk)

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h) Study of internal body structure (1mk)

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i) Study of functioning of living organisms ..... (1mk)

3.State **four** importance of locomotion in living organism (4mks)

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e) organism give rise to new members of the same species. (1mk)

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f) Organisms permanently increase in size and change in complexity (1mk)

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g) Living things take in oxygen and take out carbon (IV) oxide (1mk)

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8. State six differences between plants and animals (12mks)

Plants	Animals

9. A bus is a non- living thing but can move and oxidise fuel to carbon (IV) oxide and water. List three other characteristics of living things that are not shown by the bus. (3mks)

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10 a) State the formula of magnification given the size of drawing of the specimen and actual size of the object (1mk)

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b) A biologist collected a centipede measuring 25cm in length. She then drew the centipede on paper. On measuring the length of the drawing she found that it was 10cm. Calculate the magnification of her drawing. Show your working. (2MK)

11. Name **five** external features of an animal that could be used in classifying organisms. (5mks)

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12.Define: (3mks)

a) Taxon

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b) Taxonomist

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c) Species

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13. State **seven** taxonomic units of classification in animal starting from the highest hierarchy to the lowest (7mks)

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a) Identify the apparatus labeled above and state the function for each

LABEL	IDENTITY	FUNCTION
A		
B		
C		
D		
E		
F		
G		

b) Name three precautions during collection and observation of specimen (3mks)

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7.Name the process by which

a) organism get rid of waste product from the cells. (1mk)

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b) organism detect changes in their environment and respond appropriately. (1mk)

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c) Energy is released within the cell (1mk)

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d) Organism obtain food. (1mk)

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