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BIOLOGY PAPER 2

(PRACTICAL)

MOCK AUGUST 2024

2½ Hours.



MEBU EXAMINATIONS CONSULT

Uganda Certificate Of Education

MOCK ASSESSMENTS 2024

BIOLOGY

PAPER 2 (PRACTICAL)

TIME: 2 HRS: 30 MIN

INSTRUCTIONS TO CANDIDATES.

This paper consists of two examination items. Answer all the items in the spaces provided.

Drawings should be made in the spaces provided. Use sharp pencils for drawings.

Coloured pencils or crayons should not be used.

No additional sheets of writing papers are to be inserted in the booklet.

ITEM 1

In Gayaza, there existed a woman by name of Winnie who had a family of about six children. One of her children, Prossy, a S.2 student at one of the secondary schools in the area went to the sickbay while at school and asked the school nurse, Rachael to examine her due to the fact that she had continued to feel weak while at school, something that had made her loose focus during class time. Upon thorough examination, the school nurse told her that the body weakness was as a result of her poor nutrition while at home .When at home, Prossy was always fed on food samples, **K** and **L** .Additionally, the school nurse informed Prossy that, further addition of supplement **M** to the food samples she usually fed onto while at home on an industrial scale would be advantageous. Prossy would wish to know what exactly could be the nutrients missing in the meals while at home.

TASK:

As a Biology student, carry out a scientific investigation on the food samples **K** and **L**. Hence determine the large scale advantage of addition of supplement **M** to the food samples, **K**, **L** and hence advise Prossy accordingly.

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This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

ITEM 2.

Mr. Lubwama is a Receptionist at Acumen computer company Limited. Every week on a daily basis, he branches to **ABC** Training and fitness center and usually carries **50** Kilogram weights. Due to this, Mr. Lubwama started feeling pain in the neck, chest and the lower abdominal regions. The combined pain from the three regions has made him unable to effectively perform his duties while at the work place. He decided to visit Makerere Health Centre for thorough examination by medical doctors in order to identify what his challenge could be .After thorough examination, the medical doctors realized that specimens, **N1**, **N2**, and **N3** which are bones of his back borne were affected. Mr. Lubwama is still not contented with the information he received from the medical doctors. He has approached you to help him acquire more knowledge about the three specimens.

TASK:

As a Biology student;

- (a) Help Mr. Lubwama identify the regions of his body where the specimens **N1**, **N2**, **N3** could be located.

N1.....
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N2.....
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N3.....
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- (b) Explain to Mr. Lubwama what unique features are possessed by both specimens **N1** and **N3**.

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(c).Make a well labeled drawing of the posterior view of specimen **N2** to enable Mr. Lubwama identify the parts it possesses.

(d).Help Mr. Lubwama understand the parts that make up the anterior view of specimen **N3**.

[illegible]

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