

RENA COLLEGE MAYUGE

UGANDA LOWER SECONDARY CERTIFICATE OF EDUCATION COMPETENCE BASED ASSESSMENT EXAMINATION

S 2 P533/1 BIOLOGY

(THEORY)

BEGINNING OF TERM ONE 2024

Senior 2

1 hour

NAME: _____

Instructions to the learners

- i. This paper consists of two sections; Section A and Section
- ii. Section A consists of **three(3)** structured questions. Attempt **all questions** in this section by filling the answers in the spaces provided.
- iii. Section B consists of **two(2)** extended short essay questions. Attempt **any three** questions from this section. Answers to questions in this section must be written on separate answer sheets provided. All questions in this section carry equal marks.

SECTION A(15 marks)

(Answer all questions in this section from the spaces provided)

1. a) Write down any two diseases caused by viruses in Uganda. (02 marks)

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- b) How should Ugandans protect themselves against some of the dangerous viral diseases stated in a) above? (03 marks)

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2. a) Write scientific names of any two important organisms in phylum Arthropoda in your society. (02 marks)

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b) Give the different uses of the organisms mentioned in b) above. (03 marks)

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3a) Do you think animals can survive in a world without plants? (01 mark)

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b) Give a reason for your answer in a) above. (01 mark)

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c) Plants look to be totally vulnerable to animal attacks.

i) Give any two ways some plants have been able to protect themselves from animal attacks. (02 marks)

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ii) How best can people protect plants at home from destruction? (01 mark)

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SECTION B (10 marks)

(Answer only ONE question from this section)

4 . When Madinah was sick, she went to the hospital and a certain person called Anisha in a white dress like cloth got a blood sample from her using a certain apparatus. Anisha took the blood sample and looked through a certain instrument. Then Anisha told Mary's Dad that Mary was suffering from typhoid.

a) List down some of the important instruments that Anisha used to test that Mary had typhoid. (02 marks)

- b) Which organisms do you think Dr. Anisha saw in the blood of Mary to be sure that Mary had typhoid? (01 mark)
- c) What other structures do you think Dr. Anisha can see in the blood of Mary? (02 marks)
- d) What other diseases can be caused by other organisms in the same kingdom as the organisms mentioned in b) above? (02 marks)
- e) Give some ways you can prevent such diseases in your community. (03 marks)
5. If you are given a job in a cytology laboratory, you study about cells. If you are given a cell from a maize plant and a cell from the hand of a monkey baby, Write a report showing all information that you can present to show the similarity and differences between the two cells provided. (drawing can be used if necessary) (10 marks)

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