

S.3 BIOLOGY END OF TEM ONE 2023 ASSESSMENT EXAM

Name:

School:

TIME: 1Hour: 30 minutes

Uganda Certificate of Education

Biology Paper 1

INSTRUCTIONS:*This paper consists of four questions.**Answer all questions in the spaces provided.**Illustrations in form of drawings should be made where necessary, with a sharp pencil*

Table for Examiners use only

Number	Marks	Comment.
1		
2		
3		
4		
5		

Instructions

This paper consists of seven questions

Answer all questions in this paper

1a) Animals obtain their food by feeding on plants and so called heterotrophs. Explain how plants obtain their energy they use to make their food? (2 marks)

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b) How do animals obtain the energy from plants? (2 marks)

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c) How does temperature affect the working of an enzyme? (4 marks)

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2. (a) The cell membrane controls the entry and exit of certain substances into the cell. Explain why it is important to move materials in and out of the cell? (4 marks)

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(b) Explain how the root hair absorbs water and mineral salts from the soil? (4 marks)

3. (a) Gloria observed carefully a plant leaf and she saw water droplets on the upper epidermis of the leaf. Of what importance is that process taking place in the plant leaf? (4 marks)

b) Hulaiyah used not to sleep under a mosquito net while at school. She woke up to go for morning lessons but was feeling dizzy, had body weakness, and serious fever. What could have caused those conditions and how does the body respond to such? (4marks).

4a) Why is it important to eat a balanced diet? (2 marks)

b) How does the body of a starving individual obtain energy? (2 marks)

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5(a) A S.3 placed a candle at two varying distances i.e. 100cm and 5 cm respectively from a plant placed in a pot. Explain how this affects the amount of food manufactured by the plant? (4marks)

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(b) Why should we take care of our teeth? (4 marks)

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(c) Explain the features of a fertile soil? (4 marks)

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END