

NAME: SIGNATURE.....

Aspiration :

P530/1

BIOLOGY

PAPER 1

21/March/ 2019 (Thursday).

1½ hours

(08:00 – 09:30 AM)

Uganda Advanced Certificate Of Education

MIDTERM 1 ASSESSMENT TEST

S.5 BIOLOGY

PAPER 1

1 hours 30 minutes

INSTRUCTIONS CANDIDATES;

- *You are advised to make a short, precise but meaningful prayer before you open this booklet.*
- *Answer **all** the questions in this paper.*
- *Answers must be written in the spaces provided. Any response to any question written outside the availed spaces will not be considered on any grounds.*
- *Additional pages must not be inserted in this booklet.*

1. (a) Distinguish between a cytoplasmic inclusion and an organelle; giving an example in each case. (04 marks)

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(b) Outline the main ideas of the cell theory. (04 marks).

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(c) Outline any two exceptions to the cell theory. (02 marks)

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2. (a) How is structure of the cell surface membrane suited to its function? (06 marks)

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(b) Outline the significance of cell walls in plants. (04 marks)

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3. (a) Describe the molecular structure of a phospholipid molecule. (05 marks)

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(b) How is the structure of a phospholipid molecule suited for its role in the plasma membrane? (05 marks)

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4. (a) Describe the structure of a water molecule. (02 marks)

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(b) Explain any four biologically significant properties of water (08 marks)

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5. (a) Describe the fine structure of the structure of the Golgi apparatus (05 marks).

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(b) How does the structure of the Golgi apparatus suit its functions in an animal cell? (05 marks).

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“You will experience a painful sharpening from time to time, throughout this course, but this is required if you are to become a better pencil.”

END