

Student's Name: Stream:

School:

Class	Stream
S. 1	

(Write your Name, Class Stream and School in the spaces provided.)

553/1
BIOLOGY
 (Theory)
Paper 1
 March 2022
 1 ½ hours



Uganda Certificate Of Education

S.1 COMPETENCE BASED ASSESSMENT EXAMINATIONS

BIOLOGY

(THEORY)

Paper 1

1 Hour: 30 minutes

INSTRUCTIONS:

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

For official use only

Number	Score	Teacher's comment
1.		
2.		
3.		

2. In the word search below;

- (i) Identify and circle ten words that refer to occupations that the study of Biology can lead you to. The words may appear straight across, up-down, or diagonal.

Z	N	P	Y	Z	L	V	Y	C	X	D	R	T	T
W	T	A	S	U	R	G	E	O	N	E	B	S	N
Z	D	T	M	J	P	B	N	T	H	M	I	F	T
C	O	H	V	D	Z	X	O	C	T	N	R	N	L
N	L	O	J	V	R	K	A	T	O	T	L	A	P
U	X	L	L	Q	M	E	K	I	A	R	T	I	Q
R	T	O	N	O	T	D	T	K	J	N	S	C	D
S	F	G	R	N	G	I	C	W	K	N	I	I	P
E	X	I	X	M	R	I	M	G	W	L	C	S	T
L	J	S	Q	T	M	H	S	T	T	R	A	Y	T
G	M	T	U	B	R	R	V	T	R	M	M	H	Z
M	G	N	J	X	P	T	G	W	Q	L	R	P	T
X	V	E	T	E	R	I	N	A	R	I	A	N	M
Z	C	K	P	N	T	P	H	N	V	T	H	M	Z
P	C	B	T	N	N	P	P	J	T	Y	P	Z	B

- (ii) From the words / occupations found, briefly describe what people in any five occupations do in our society. **(10 marks)**

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3. (a) If your school was a cell in an organism, giving a reason in each case, identify the structures or organisms around the school which would represent the following cell parts;

(i) Cell membrane :

Reason :

(ii) Nucleus :

Reason:

(iii) Chloroplast :

Reason :

(iv) Chloroplast :

Reason :

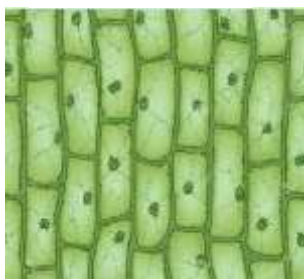
(v) Cell vacuole :

Reason :

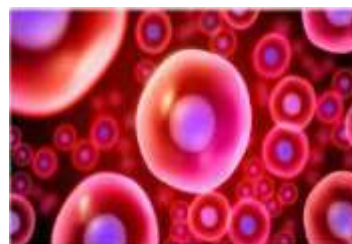
(10 marks)

(b) Use the pictures below to answer the following questions

Picture A



Picture B



The above structures are as observed under a microscope and they are very important to life.

(a) Identify the above biological structures in pictures A and B. (02 marks)

Biological structure in picture A :

Biological structure in picture B :

(b) Draw a single unit from each of the pictures. Do not label. (04 marks)

Single unit from picture A	Single unit from picture B

(c) State any two differences between the single units in pictures **A** and **B**. (02 marks)

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(d) How can the bricks that make up a wall of a building be compared to cells in an organism? (02 marks)

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END



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