

NAME:.....SIGN.....

553/2

BIOLOGY

THEORY

Paper 1

2 hours

*Uganda Lower Secondary Certificate of Education*

**END OF YEAR EXAMINATION 2023**

**SENIOR ONE**

**BIOLOGY**

**Paper one**

**TIME: 2 HOURS**

**INSTRUCTIONS**

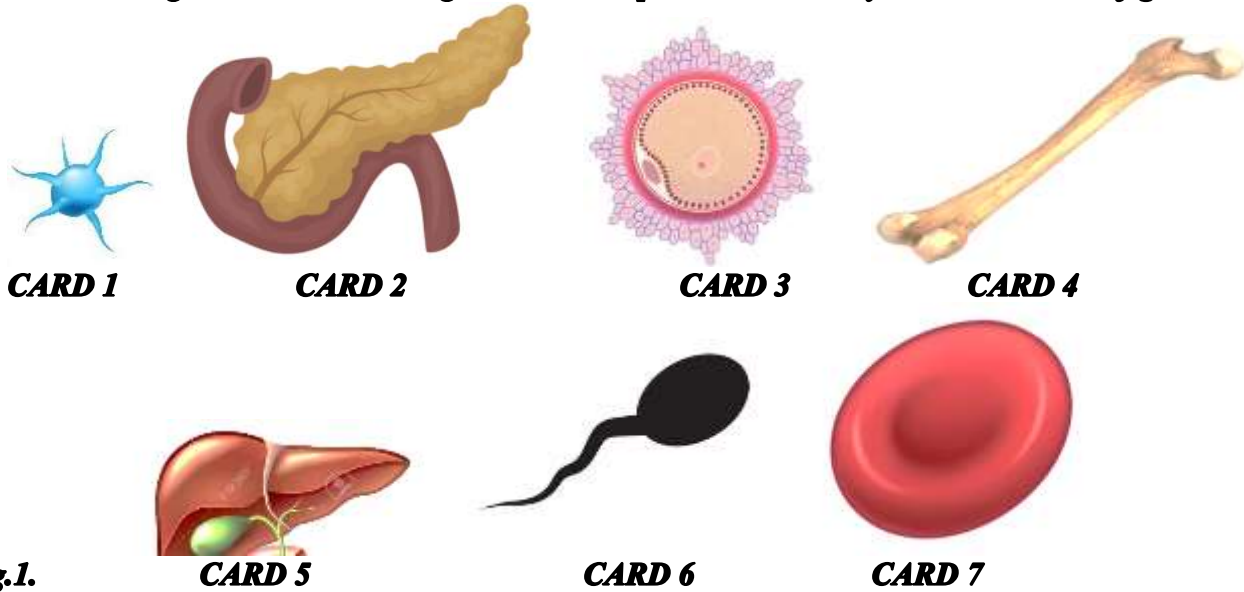
- This paper consists of two questions.
- Attempt all questions in this paper.
- Present your answers precisely in the spaces provided.
- No extra answer shall be provided for rough work.

**FOR EXAMINER'S USE ONLY**

	Question 1		Question 2
	a)	b)	
RELEVANCY			
ACCURACY			
COHERENCY			
EXCELLENCE			
Total			

### Question 1.

The body of man has many systems that are made up of different components such as cells, tissues and organs. An S.1 student was given cards containing different components of these systems as shown in **fig.1**.



**Fig.1.**

- a) Using a table template shown below, redraw and make another table that clearly sorts the cards in the four major systems of the body. After sorting the cards, identify the functions of each component in the system stated in the human body.

Card number	Name of the component in the named card	Human body system ( <i>close the table row if the cards for a particular system are completed</i> ).

- b) Make a brief leaflet that shall enable the user to know how the systems identified in the table operate together to ensure the normal functioning of the human body.

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[illegible]

### Question 2.

**Juma planted beans at the beginning of the season and on flowering, he observed a lot of different insects such as bees, caterpillars and adult butterflies as shown in *fig.2*. in his garden. Juma fears bees due to their poisonous stings. He decided to spray the garden with insecticide so that to gets rid of the bees. He wants to kill caterpillars too.**

***Fig.2.***



**Write to Juma a letter that advises him against the action of killing bees for the benefit of his garden. In your letter, inform Juma about his suggested aim of killing caterpillars and on how he can get rid of the caterpillars without killing adult insects.**

[illegible]

[illegible][illegible][illegible]