

## UGANDA LOWER SECONDARY CURRICULUM

### ELEMENTS OF CONSTRUCTS FOR BIOLOGY

The Uganda National Lower Secondary Curriculum assesses 07 elements of construct in Biology during the end of cycle assessment. There are two papers of Biology at this level; Paper 1 and Paper 2. Out of the 7 elements of construct, 5 elements are assessed in Paper 1 and the 2 elements are assessed in Paper 2.

These elements of construct are as follows.

S/N	ELEMENT OF CONSTRUCT (The learner;....)	AREAS ASSESSED
PAPER 1 ELEMENTS OF CONSTRUCT		
01	Appreciates diversity of living things and sustainability of natural resources	Introduction to Biology
		Cells
		Insects
		Classification
		Flowering plants
		Ecology
02	Understands how plants obtain and use nutrients to meet their energy requirements during which raw materials and products are carried to and from various organs	Nutrition in plants and animals
		Transport in plants and animals
03	Understands how mammals obtain and use nutrients to meet their energy requirements during which raw materials and products are carried to and from various organs	Respiration in animals
		Nutrition in animals
		Transport in animals
		Excretion in animals
04	Appreciates how the human body coordinates various activities and adjust to ensure normal functioning of the body	Coordination in animals
		Locomotion in animals
05	Appreciates how characteristics are inherited in living organisms and passed to generations through reproduction and manifested as the organism grows	Genetics
		Variations
		Reproduction
		Growth and development
PAPER 2 ELEMENTS OF CONSTRUCT		
06	Appreciates Science inquiry skills	Food tests
		Soil experiments
		Osmosis
		Enzyme activities
07	Appreciates structures and functions of living organisms	Lower plants
		Flowers
		Fruits

		Leaves
		Arthropods
		Bones and teeth

### **STRUCTURE OF BIO/P1**

This paper takes a duration of 2 hours and 30 minutes and has a total of 7 items in two sections; A and B.

Section A has three compulsory structured examination items, these items are set from elements of construct 2, 4 and 5

Section B has two sub-section i.e part I and part II with each part having two examination items. A learner is supposed to attempt one item from each part from this section

Examination items for section B are set from elements of construct 1 and 3

**N.B Each item has a maximum of 15 scores**

### **STRUCTURE OF BIO/P2**

This is a practical paper for the NLSC Biology and it focuses on two elements of construct. These are elements 6 (The learners Appreciates Science inquiry skills) and 7 (The learners appreciates structures and functions of living organisms).

The paper has two examination items. Item I is assessed basing on element of construct 6 and it aims at scientific investigations.

The learner is required to design, perform an investigation, write a report and make conclusions basing on what he/she has performed.

**Item I** assesses the followings;

- Food tests
- Soil experiments
- Osmosis
- Enzyme activities

**Item II** is assessed basing on element of construct 7 and the followings are the areas assessed;

- |                |                   |
|----------------|-------------------|
| • Lower plants | • Leaves          |
| • Flowers      | • Arthropods      |
| • Fruits       | • Bones and teeth |

There are mainly three questions from this item and they always follow the order below

*Amoka*

- I. Identification of the specimen using observable features
- II. Suitability of the parts to the survival of the specimen
- III. Drawing skills

**NB**

**The maximum number of specimens set for item II is always 4**