

## **A LEVEL BIOLOGY ELEMENT OF CONSTRUCTS (TO BE CONFIRMED SOON)**

**EOC-1:** cellular organization, respiration and molecular analysis

### **Topics in this construct**

- Cell biology
- Respiration
- Inheritance and evolution (nucleic acids, cell division, protein synthesis, gene technology)

**EOC-2:** plant physiology and adaptation

### **Topics in this construct**

- Nutrition in plants
- Coordination in plants
- Growth in plants
- Homeostasis(Osmoregulation in plants)

**EOC-3:** Analyse animal systems and behaviours in adapting to environmental changes for health, survival and welfare

### **Topics in this construct**

- Transport in humans
- Homeostasis
- Coordination in animals

**EOC-4:** Genetics, evolutionary and ecological dynamics

### **Topics in this construct**

- Development in insects
- Ecology
- Inheritance and evolution (mendelian and non-mendelian inheritance, evolutionary advancements in life processes in animals, speciation and extinction)

## **PAPER FORMAT**

**There will be two papers; paper 1 (theory paper) and paper 2(practical paper)**

### **PAPER 1 (theory)**

There will be two sections A and B. section A will have two compulsory items coming from EOC-1 and EOC-2 respectively.

Section B will have two parts; part 1 and part 2. The items of this section will come from EOC-3 and EOC-4 respectively. Each part will have two items and a learner will be required to respond to one item from each part in section B.

There will be **SIX** items in the question paper and a learner will be required to respond to only **four** items. The paper duration will be 3HOURS.

For all items, a learner will be required to demonstrate the understanding of the biology concepts and their application in real life situation to solve societal problems.

### **Paper 2 (practical)**

This will have two compulsory items which will involve investigations

**Item 1** will have dissection of a mammal (rat or rabbit)

**Item 2** will have physiological investigations.

**More details to come. Let start from here as we wait for the final copy from NCDC/UNEB**

**Prepared by a common man's party president but not Hon. Munyagwa.**