**APRIL 2023 HOLIDAY ASSIGNMENT**

**BIOLOGY FORM 1**

**Answer all questions in the assignment book**

1.State five rules that should be observed when making biological drawings. (5 mks)

**2**. State five aspects of leaves that can be used to identify and classify plants. (5mks)

**3. a)** what is binomial nomenclature (1mk)

b) Highlight three rules used in binomial nomenclature (3mks)

**4**. State three external features of animals that can be used to identify and classify them. (3 mks)

**5**. Give three reasons why classification of organisms is important. (3 mks)

**6**. What is a taxon? (1 mark)

**7**. Name the seven taxonomic units used in the classification of living organisms starting with the smallest. (3 mks)

**8**. Name any two organisms in each of the following kingdoms.

(a) Kingdom Monera (2 mks)

(b) Kingdom Plantae (2 mks)

(c) Kingdom Animalia (2 mks)

(d) Kingdom Protoctista (2 mks)

**9**. The scientific name of French beans is *Phaseolus vulgaris*. What taxon does the term Phaseolus represent? (1 mk)

**10**. A Form One student wrote the scientific name of a plant as shown below.

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(a) Identify two mistakes the student made when writing the name. (2 mks)

(b) Write down the name correctly. (1 mark)

(c) From the name above, identify the genus and the species names. (2 mks)

11. Name and give the function of seven organelles found in animal cells (7mks)

12. Using a microscope, a student counted 55 cells across a field of view whose diameter was 6000 micrometers. Calculate the average length of the cells (3mks)