

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
GEITA ADVENTIST SECONDARY SCHOOL
FORM THREE HOLLIDAY PACKAGE 27TH APRIL 2020

BIOLOGY

1. (a) How do you explain the fact that some injuries to the spinal cord result in paralysis while others result in loss of sensation?

(b) Why is the pituitary gland sometimes referred to as the master gland?

(c) A person whose cerebral cortex is damaged may still remain alive, how do you explain this fact.

(d) Discuss the statement that "drug addiction is an individual problem as well as a social problem".

(e) What responses in plants resemble reflex actions in animals?

(f) Explain the significance of the shoot's and root's response to directional light and gravity.
2. (a) What is the significance of osmosis and diffusion in organisms.

(b) Comment on the statement "transpiration is a necessary evil".

(c) Trace the course of mammalian red blood cells from the lungs to the hands and back to the lungs. Describe the change which occurs to it during this journey.
3. (a) Briefly explain the concept of excretion in living things.

(b) With the aid of a diagram state the functions of four components of the Urinary system.

(c) By giving reasons to support your answer, name the nitrogenous waste

Products excreted by the following organisms;

- i. Spider
- ii. Tilapia
- iii. Flamingo
- iv. Dog.

