

## GRADE 10 LIFE SCIENCES JUNE EXAM

### SECTION A

#### QUESTION 1

1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the LETTER (A to D) next to the QUESTION NUMBER (1.1.1 to 1.1.8) on your answer paper, for example 1.1.1 D.

- 1.1.1 Which of the following organelles is involved in transportation?
- A Lysosome
  - B Centrosome
  - C Ribosome
  - D Golgi apparatus
- 1.1.2 The compound found **ONLY** in plant cells is...
- A water
  - B glucose
  - C glycogen
  - D cellulose
- 1.1.3 All the interactions between biotic and abiotic factors in a region.
- A Ecosystem
  - B Biome
  - C Environment
  - D Climate
- 1.1.4 Thabo wants to give his mom a pot with magnolias for her birthday. He knows that magnolias need soil with good water-holding capacity and nutrients. Which of the following should he use to fill his pot with?
- A Only small soil particles alone
  - B Small soil particles with some added humus
  - C Sandy soil with some added humus
  - D Loamy soil with lots of gravel for drainage

- 1.1.5 What do we call the classification system where every organism has a dual name?
- A Taxonomy
  - B Hierarchical system
  - C Two-domain system
  - D Binomial system
- 1.1.6 Radiometric dating is based on...
- A comparison between fossils found at the same site.
  - B knowledge of geological time scale.
  - C radioactive decay principles
  - D the rock layer in which the fossil was found
- 1.1.7 A scientist who studies fossils is known as a/an...
- A biologist.
  - B anthropologist.
  - C archaeologist.
  - D paleontologist.
- 1.1.8 Soil and rock, forming the upper layer of the Earth's surface is the...
- A lithosphere.
  - B atmosphere.
  - C hydrosphere.
  - D biosphere.

(3x2=18)

- 1.2 Give the correct **BIOLOGICAL TERM** for each of the following descriptions. Write only the **TERM** next to the QUESTION NUMBER (1.2.1 to 1.2.10) in your answer book.
- 1.2.1 Vitamin directly responsible for the absorption of Calcium in the body.
- 1.2.2 Level of classification found after phylum.
- 1.2.3 Those organisms that are unable to manufacture their own food.
- 1.2.4 Plant species whose introduction and/or spread outside their natural habitat threaten biological diversity.
- 1.2.5 Death of all individuals of a species.
- 1.2.6 Organisms that do not have a distinct nucleus or enclosed structures.
- 1.2.7 The sorting and grouping of things according to similarities and differences.
- 1.2.8 The variety of life forms that occurs on earth.

# Life Science Grade 10 2014 June Question Papers

**L Reisser**



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