Life sciences

Grade 11

Examiner: Ms N.Harmse.

Date: MARCH 2024

Time: 1 hour 30 minutes

Total: 75

SECTION A

QUESTION 1

1.1 Different options are given as possible answers for the following questions. Choose the correct answer and write only the letter (A to D) next to the question number (1.1.1 to 1.1.5) on the FOLIO PAPER e.g. 1.1.6 E.

1.1.1 An organism consisting of only one cell.

A. Multicellular

B. Unicellular

C. Autotrophic.

D. Heterotrophic.

1.1.2 An organism that harbours a parasite.

A. Pathogenic

B. Nucleoid.

C. Acellular.

D. Host.

1.1.3 Viruses can infect bacteria, protists, plants and animals. Viruses that infect bacteria are called

A. Bacteriophages.

B. Pathogenic.

C. Parasites.

D. Microscopic.

1.1.4 Plant or fungal microorganisms that feed on dead or decaying tissues of other organisms.

A. Heterotrophic.

B. Eukaryotic.

C. Prokaryotic.

D. Saprophytic.

1.1.5 A small, circular, double-stranded DNA molecule that is distinct from a cell's chromosomal DNA.

A. Binary fission.

B. Endospore.

C. Plasmid.

D. Flagellum.

[5 x 2 = 10]

1.2 Give the correct biological term for each of the following descriptions.

Write down only the term next to the question number: (1.2.1 to 1.2.5) on your FOLIO PAPER.

1.2.1 Very small plants (algae) that float on or near the surface of water

1.2.2 Organisms which can synthesize their own food e.g. green plants, algae and some bacteria

1.2.3 The phase in the cell cycle when DNA replication occurs.

1.2.4 A network of multi-celled threadlike filaments forming the mycelium of a fungus

1.2.5 Threadlike structures that anchor lower plants and fungi to a surface

[5]

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