



GRADE 11 LIFE SCIENCES MARCH TEST

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-D) next to the QUESTION NUMBER (1.1.1-1.1.5) on your answer sheet, for example 1.1.B. D.

1.1.1 Which of the following micro-organisms act as decomposers in ecosystems?

- (i) *Escherichia*
 - (ii) *Paramecium*
 - (iii) *Penicillium*
 - (iv) *Trichoderma*
- A (i) and (ii)
B (ii) and (iii)
C (i) and (iv)
D (iii) and (iv)

1.1.2 Malaria is spread by:

- A *Plasmodium vivax* mosquito
- B *Anopheles gambiae*
- C *Culex quinquefasciatus*
- D *Aedes albopictus*

1.1.3 Protists are unlike bacteria in that they...

- A have prokaryotic cells
- B are eukaryotic
- C are unicellular organisms
- D are autotrophic

1.1.4 Which statement best describes the relationship between a parasite and its host?

- A The parasite benefits, the host benefits
- B The parasite benefits, the host is harmed
- C Both host and parasite benefit
- D The parasite benefits, the host is unaffected

1.1.5 The following statements about HIV are NOT true:

- (i) It can be passed to a child from its mother during pregnancy or at birth
 - (ii) It can be passed to a child from its mother during breastfeeding
 - (iii) It can be passed to a child from its mother during sexual intercourse
 - (iv) The only prevention of HIV infection is the use of condoms
- A (i) and (ii)
B (ii) and (iii)
C (i) only
D (iii) and (iv)

[5x2=10]

1.2 Give the correct BIOLOGICAL TERM for each of the following descriptions. Write only the correct TERM next to the QUESTION NUMBER (1.2.1-1.2.4) on your answer sheet.

1.2.1 A bacterium which kills the host's cells and destroys them.

1.2.2 A plant that grows in a marshy area.

1.2.3 The production of new cells from existing cells by mitosis and meiosis.

1.2.4 Using living organisms to control harmful populations.

(4)

1.3 Indicate whether each of the statements in COLUMN I applies to **A ONLY**, **B ONLY**, **BOTH A and B** or **NONE** of the items in COLUMN II. Write **A ONLY**, **B ONLY**, **BOTH A and B** or **NONE** next to the QUESTION NUMBER (1.3.1-1.3.3).

Column I	Column II
1.3.1 Presence of a slime capsule and well-structured nucleus	<i>Penicillium</i> <i>Trichoderma</i>
1.3.2 A disease caused by fungi	<i>Trichoderma</i> <i>Penicillium</i>
1.3.3 Binary fission is the asexual production of...	<i>Trichoderma</i> <i>Penicillium</i>

[3x2=6]

SECTION A: [20]

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JA Banks



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