



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 (iv)
C (i) and (iii)
D (iii) and (iv)

1.1.2 Malaria is spread by:

- A *Plasmodium vivax* mosquito
- B *Anopheles* mosquito
- C *Culex* mosquito
- D None of the above

1.1.3 Protists are unlike bacteria in that they...

- A have prokaryotic cells
- B are unicellular
- C are produced by binary fission
- 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 host benefits, the parasite is harmed
- C Both host and parasite benefit
- D The parasite benefits, the host is harmed

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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Daniel F McAuley



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Table of Contents Grade 1life Science For March 2question Paper

1. Understanding the eBook Grade 1life Science For March 2question Paper
 - The Rise of Digital Reading Grade 1life Science For March 2question Paper
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 1life Science For March 2question Paper
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Grade 1life Science For March 2question Paper
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 1life Science For March 2question Paper
 - Personalized Recommendations
 - Grade 1life Science For March 2question Paper User Reviews and Ratings
 - Grade 1life Science For March 2question Paper and Bestseller Lists

5. Accessing Grade 1life Science For March 2question Paper Free and Paid eBooks
 - Grade 1life Science For March 2question Paper Public Domain eBooks
 - Grade 1life Science For March 2question Paper eBook Subscription Services
 - Grade 1life Science For March 2question Paper Budget-Friendly Options
6. Navigating Grade 1life Science For March 2question Paper eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 1life Science For March 2question Paper Compatibility with Devices
 - Grade 1life Science For March 2question Paper Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 1life Science For March 2question Paper
 - Highlighting and Note-Taking Grade 1life Science For March 2question Paper
 - Interactive Elements Grade 1life Science For March 2question Paper
8. Staying Engaged with Grade 1life Science For March 2question Paper
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 1life Science For March 2question Paper
9. Balancing eBooks and Physical Books Grade 1life Science For March 2question Paper
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 1life Science For March 2question Paper
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Grade 1life Science For March 2question Paper
 - Setting Reading Goals Grade 1life Science For March 2question Paper
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 1life Science For March 2question Paper
 - Fact-Checking eBook Content of Grade 1life Science For March 2question Paper
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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