



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 gambiae*
- C *Culex quinquefasciatus*
- D *Aedes albopictus*

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 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 which has a thick, waxy cuticle.

1.2.3 The process by which a cell divides to produce two daughter cells.

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>
1.3.2 A disease caused by fungi	<i>Aspergillus</i>
1.3.3 Binary fission is the asexual production of...	<i>Paramecium</i>

[3x2=6]

SECTION A: [20]

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M Mark



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Table of Contents Grade 11 Life Sciences Common Paper March 2014

1. Understanding the eBook Grade 11 Life Sciences Common Paper March 2014
 - The Rise of Digital Reading Grade 11 Life Sciences Common Paper March 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 11 Life Sciences Common Paper March 2014
 - 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 11 Life Sciences Common Paper March 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 11 Life Sciences Common Paper March 2014
 - Personalized Recommendations
 - Grade 11 Life Sciences Common Paper March 2014 User Reviews and Ratings
 - Grade 11 Life Sciences Common Paper March 2014 and Bestseller Lists
5. Accessing Grade 11 Life Sciences Common Paper March 2014 Free and Paid eBooks
 - Grade 11 Life Sciences Common Paper March 2014 Public Domain eBooks
 - Grade 11 Life Sciences Common Paper March 2014 eBook Subscription Services
 - Grade 11 Life Sciences Common Paper March 2014 Budget-Friendly Options
6. Navigating Grade 11 Life Sciences Common Paper March 2014 eBook Formats

- ePub, PDF, MOBI, and More
 - Grade 11 Life Sciences Common Paper March 2014 Compatibility with Devices
 - Grade 11 Life Sciences Common Paper March 2014 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 11 Life Sciences Common Paper March 2014
 - Highlighting and Note-Taking Grade 11 Life Sciences Common Paper March 2014
 - Interactive Elements Grade 11 Life Sciences Common Paper March 2014
 8. Staying Engaged with Grade 11 Life Sciences Common Paper March 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 11 Life Sciences Common Paper March 2014
 9. Balancing eBooks and Physical Books Grade 11 Life Sciences Common Paper March 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 11 Life Sciences Common Paper March 2014
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Grade 11 Life Sciences Common Paper March 2014
 - Setting Reading Goals Grade 11 Life Sciences Common Paper March 2014
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Grade 11 Life Sciences Common Paper March 2014
 - Fact-Checking eBook Content of Grade 11 Life Sciences Common Paper March 2014
 - 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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