



Date: SEPTEMBER 2024

Time: 2 ½ HOURS

Mark: 150

INSTRUCTIONS AND INFORMATION

Read the following instruction carefully before answering the questions.

1. Answer ALL questions.
2. Write ALL the answers on the provided FOLIO PAPER.
3. **STOP OFF** after each question.
4. Start each section on a **NEW** page.
5. Number the answers correctly according to the numbering system used in this question paper.
6. Present your answers according to the instructions for each question.
7. Do ALL drawings in pencil and label them in blue pen.
8. Draw diagrams or flow charts only when asked to do so.
9. The diagrams in this question paper are **NOT** all drawn to scale.
10. You may use a non-programmable calculator, protractor, and compass.
11. You may **NOT** use graph paper.
12. Write neatly and legibly.

EXAM AGREEMENT

I, _____ (Name & Surname), Grade _____

hereby acknowledge that I will abide by all examination rules stipulated below during the writing of my **LIFE SCIENCE** exam.**RULES:**

1. I will not have any electronic equipment in my possession (cell phones, smart watches and earphones).
2. I will not cause any disruption during this exam in the exam venue.
3. I will be honest at all times.

All rules, as discussed with me, will be honoured and obeyed.

Learner Signature**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 1.1.10) on the FOLIO PAPER, for example 1.1.6 E.

1.1.1 Hollow, pear-shaped organ.

- A. Vagina
- B. Uterus
- C. Fallopian tubes
- D. Placenta

1.1.2 Choose the letter that does not explain the process of oogenesis.

- A. The diploid germinal epithelium cells of the ovaries go through the process of mitosis to form many follicles.
- B. Every 21 days, the follicle stimulating hormone (FSH) stimulates one follicle. Only one cell inside of that follicle enlarges and goes through the process of meiosis.
- C. Out of the 4 haploid cells produced through meiosis, only one cell will survive to form a mature ovum.
- D. The other three cells from meiosis will degenerate.

1.1.3 Before copulation the male sperm is stored temporarily in the...

- A. seminal vesicles
- B. scrotum
- C. prostate gland
- D. epididymis

1.1.4 Structure that receives a stimulus and converts it into an impulse

- A. autonomic nervous system
- B. effector
- C. stimulus
- D. receptor

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Table of Contents Memorandum Life Science Grd 11 Paper 2 2014

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

6. Navigating Memorandum Life Science Grd 11 Paper 2 2014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Memorandum Life Science Grd 11 Paper 2 2014 Compatibility with Devices
 - Memorandum Life Science Grd 11 Paper 2 2014 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Memorandum Life Science Grd 11 Paper 2 2014
 - Highlighting and Note-Taking Memorandum Life Science Grd 11 Paper 2 2014
 - Interactive Elements Memorandum Life Science Grd 11 Paper 2 2014
8. Staying Engaged with Memorandum Life Science Grd 11 Paper 2 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Memorandum Life Science Grd 11 Paper 2 2014
9. Balancing eBooks and Physical Books Memorandum Life Science Grd 11 Paper 2 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Memorandum Life Science Grd 11 Paper 2 2014
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Memorandum Life Science Grd 11 Paper 2 2014
 - Setting Reading Goals Memorandum Life Science Grd 11 Paper 2 2014
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Memorandum Life Science Grd 11 Paper 2 2014
 - Fact-Checking eBook Content of Memorandum Life Science Grd 11 Paper 2 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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