



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. **ROUND 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 &amp; 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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**Ian Pickup**



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## **Table of Contents Grade 12 September 2013 Life Sciences Paper Memorandum**

1. Understanding the eBook Grade 12 September 2013 Life Sciences Paper Memorandum
  - The Rise of Digital Reading Grade 12 September 2013 Life Sciences Paper Memorandum
  - Advantages of eBooks Over Traditional Books
2. Identifying Grade 12 September 2013 Life Sciences Paper Memorandum
  - 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 12 September 2013 Life Sciences Paper Memorandum
  - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 12 September 2013 Life Sciences Paper Memorandum
  - Personalized Recommendations
  - Grade 12 September 2013 Life Sciences Paper Memorandum User Reviews and Ratings
  - Grade 12 September 2013 Life Sciences Paper Memorandum and Bestseller Lists
5. Accessing Grade 12 September 2013 Life Sciences Paper Memorandum Free and Paid eBooks

- Grade 12 September 2013 Life Sciences Paper Memorandum Public Domain eBooks
  - Grade 12 September 2013 Life Sciences Paper Memorandum eBook Subscription Services
  - Grade 12 September 2013 Life Sciences Paper Memorandum Budget-Friendly Options
6. Navigating Grade 12 September 2013 Life Sciences Paper Memorandum eBook Formats
- ePub, PDF, MOBI, and More
  - Grade 12 September 2013 Life Sciences Paper Memorandum Compatibility with Devices
  - Grade 12 September 2013 Life Sciences Paper Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Grade 12 September 2013 Life Sciences Paper Memorandum
  - Highlighting and Note-Taking Grade 12 September 2013 Life Sciences Paper Memorandum
  - Interactive Elements Grade 12 September 2013 Life Sciences Paper Memorandum
8. Staying Engaged with Grade 12 September 2013 Life Sciences Paper Memorandum
- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Grade 12 September 2013 Life Sciences Paper Memorandum
9. Balancing eBooks and Physical Books Grade 12 September 2013 Life Sciences Paper Memorandum
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection Grade 12 September 2013 Life Sciences Paper Memorandum
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Grade 12 September 2013 Life Sciences Paper Memorandum
- Setting Reading Goals Grade 12 September 2013 Life Sciences Paper Memorandum
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 12 September 2013 Life Sciences Paper Memorandum
- Fact-Checking eBook Content of Grade 12 September 2013 Life Sciences Paper Memorandum
  - 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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