Life Science

Grade 12

PAPER 1





Time: 2 % HOURS

Mark: 150

## INSTRUCTIONS AND INFORMATION

Read the following instruction carefully before answering the questions.

- Answer ALL questions.
- Write ALL the answers on the provided FOLIO PAPER.
- RISE OFF after each question.
- Start each section on a MERI page.
- Number the answers correctly according to the numbering system used in this question paper.
- Present your answers according to the instructions for each question.
- Do ALL drawings in pencil and label them in blue pen.
- Draw diagrams or flow charts only when asked to do so.
- The diagrams in this question paper are NOT all drawn to scale.
- 10. You may use a non-programmable calculator, protractor, and compans.
- 11. You may NOT use graph paper.
- 12: Write nearly and legibly.

| EXAM AGREEMENT             |  |
|----------------------------|--|
| <br>(Name & Sumane); Grade |  |

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

### PULES:

- I will not have any electronic equipment in my possession (cell phones, unant waither and earthones).
- 2. I will not cause any disruption during this exam in the exam venue.
- 3. If 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
  - 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 folicies.
  - B Every 21 days, the folicle stimulating hormone (FSH) stimulates one folicle. Only one cell inside of that folicle enlarges and goes through the process of melosis.
  - C Out of the 4 haploid cells produced through melosis, only one cell will survive to form a mature ovum.
  - 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 pland
  - D. epididymis
- 1.1.4 Structure that receives a stimulus and converts it into an impulse
  - A autonomic nervous system
  - effector
  - C. stimulus
  - D. receptor

THE BUILDINGS.

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