



Date: NOVEMBER 2022

Time: 2 ½ hours

Mark: 100

INSTRUCTIONS AND INFORMATION

Read the following instruction carefully before answering the questions.

1. Answer ALL questions.
2. Write ALL the answers in the provided P10 or P14000.
3. Write a GPM after each question.
4. Start each section in a NEW page.
5. Number the answers correctly according to the numbering system used in the question paper.
6. Present your answers according to the instructions for each question.
7. Do ALL drawing in pencil and label them in blue pens.
8. Draw diagrams in the margin only when asked to do so.
9. The diagrams in the question paper are NOT to draw 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-ADMINISTRATOR

Name of Candidate: _____

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

NOTES

1. I have not used any electronic equipment in my possession (cell phones, smart watches and earphones).
2. I have not done any cheating during this exam in this exam venue.
3. I will be treated as a cheater.

Signature of the candidate: _____

Examiner 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-D) next to the question number (1.1.1 to 1.1.10) on the P10 or P14000, for example 1.1.1 D.

- 1.1.1 Which ONE of the following hormones controls metabolic rate?

- A. Testosterone
- B. Thyroxine
- C. Growth hormone
- D. Insulin

- 1.1.2 An extract from a gland of an adult monkey was injected into the bloodstream of a young monkey. It caused the young monkey to grow abnormally tall. From which gland was the extract obtained?

- A. Hypothalamus B. Adrenal gland
- C. Hypophyseal/Posterior pituitary gland D. Pancreas

- 1.1.3 The hormone that regulates the amount of salt in the blood

- A. Aldosterone B. Renin
- C. Endocrine glands D. Adrenocortical

- 1.1.4 It is the process of maintaining a constant internal environment within narrow limits, despite changes that take place internally and externally.

- A. Homeostasis
- B. Metabolism
- C. Reproduction
- D. Osmosis

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TD Snyder



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