



GRADE 12 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 (1.1.1-1.1.4) on your answer sheet, for example 1.1.5. D.

1.1.1 Base that pairs with Uracil.

- A Adenine
- B Cytosine
- C Guanine
- D Thymine

1.1.2 Bond found between amino acids in a protein.

- A Tripeptide bond
- B Polypeptide bond
- C Phosphodiester bond
- D Hydrogen bond

1.1.3 THREE adjacent bases found on a DNA or m-RNA molecule...

- A Anticodon
- B Codon
- C Replicon
- D Replicon

1.1.4 Structure where sperm matures.

- A Testis
- B Epididymus
- C Vas deferens
- D Uterine tube

[1x2=2]

1.2 Give the correct BIOLOGICAL TERM for each of the following statements.
Write the name of the word only, do not underline or copy the word.

- 1.1 The process by which a cell divides to form two daughter cells.
- 1.2 The study of the structure and function of cells and tissues.
- 1.3 The type of nucleic acid that occurs as a single strand.
- 1.4 The study of the structure and function of the human body.
- 1.5 The natural structure of a DNA molecule.
- 1.6 The study of the structure and function of the human body.

[1x6=6]

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	Released by the pituitary gland	A. Progesterone B. Oestrogen
1.3.2	Thymine is used.	A. Replication of DNA B. Transcription of DNA
1.3.3	Contains RNA	A. Mitochondria B. Nucleus

[3x2=6]

(TOTAL SECTION A: 28)

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