



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 Epididymis
- C Vas deferens
- D Seminal vesicle

[1x2=2]

1.2 Give the correct BIOLOGICAL TERM for each of the following statements.
Write the name of the biological structure in CAPITAL LETTERS.

- 1.1 The process by which a cell divides to form two daughter cells.
- 1.2 The single strand of a nucleic acid molecule that is complementary to the template strand.
- 1.3 The type of nucleic acid that occurs as a single strand.
- 1.4 The single strand of a nucleic acid molecule that is complementary to the template strand.
- 1.5 The natural structure of a DNA molecule.
- 1.6 The process by which a cell divides to form two daughter cells.

[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. Mitochondrion B. Nucleolus

[3x2=6]

(TOTAL SECTION A: 28)

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R Bogdan



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