



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 (i.e. 1.1.1-1.1.4) on your answer sheet, for example 1.1.1. D.

- 1.1.1 Base that pairs with Uracil

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

- 1.1.2 Bond found between amino acids in a protein

A. Hydrophobic bond
B. Hydrogen bond
C. Disulfide bond
D. Ionic bond

- 1.1.3 THREE adjacent bases found on a DNA or mRNA molecule

A. Polynucleotide
B. Nucleoside
C. Nucleotide
D. Polypeptide

- 1.1.4 Structure where sperm matures

A. Epididymis
B. Vas deferens
C. Prostate gland
D. Seminiferous tubule

(404)

- 1.2 Give the correct BIOLOGICAL TERM for each of the following statements (ONLY ONE word or phrase is correct for each statement)

- 1.2.1 The macromolecule that is used to build a cell.
1.2.2 The very cellular structure that all eukaryotic organisms must have to survive.
1.2.3 The type of mutation that occurs as a single strand.
1.2.4 The single strand of DNA that is used to synthesize a new strand.
1.2.5 The natural structure of a DNA molecule.
1.2.6 The type of mutation that occurs as a single strand.

(404)

- 1.2.7 Indicate whether each of the statements in COLUMN I applies to A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, or NONE of the items in COLUMN II. Write a ONLY, B ONLY, BOTH A and B or NONE next to the QUESTION NUMBER (i.e. 1.2.7.1, 1.2.7.2, 1.2.7.3).

	COLUMN I	COLUMN II
1.2.7.1	Released by the plasma pump	A. Prokaryotic B. Eukaryotic C. Both A and B D. None of the above
1.2.7.2	Thymine is used	A. Prokaryotic B. Eukaryotic C. Both A and B D. None of the above
1.2.7.3	Carries RNA	A. Prokaryotic B. Eukaryotic C. Both A and B D. None of the above

(404)

(TOTAL SECTION A: 20)

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