

# Provincial Department of Education - North Western Province Third Term Test 2020

#### Grade 10

## Science I

Time - one hour

#### Name / Index number:

- Answer all questions.
- In each of the questions 1 to 40, pick one of the alternatives (1), (2), (3), (4) which you consider
  as correct or most appropriate.
- Marks a cross (x) on the number corresponding to your choice in the answer sheet provided.
- The proteins which catalyze the chemical reactions in a cell or body are known as,
  - 1) High proteins

2) Amino acids

Enzymes

- 4) Antibodies
- 02. What are the factors which affect the pressure created by a liquid column?
  - Vertical height of the liquid column, Density of liquid and Gravitational acceleration.
  - 2) Liquid volume, Density of liquid and Gravitational acceleration.
  - 3) Density of liquid, Gravitational acceleration and Weight of liquid column.
  - Vertical height of the liquid column, Density of liquid and Up thrust.
- The maximum number of electrons that may present in M energy level of first 20 elements in the periodic table is,
  - 1) 2

(2) 8

3) 18

- 4) 32
- A and B diagrams show replicas created by students to show two organelles of a typical cell. These replicas represent.
  - 1) Golgi body and mitochondria
  - 2) Chloroplast and endoplasmic reticulum
  - 3) Endoplasmic reticulum and Golgi complex
  - 4) Mitochondria and chloroplast



- The nature of motion of a fruit which was released from its petiole is,
  - Uniform velocity
  - 2) Uniform deceleration
  - 3) Uniform acceleration
  - 4) Acceleration which increases gradually
- 06. What is the disease which is sexually transmitted by a bacterium?
  - 1) AIDS

- 2) Gonorrhea
- 3) Genital warts

Herpes

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Raffaela Di Napoli

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