Time: 30 minutes

Max. Marks: 15

### SECTION "A" (MULTIPLE CHOICE QUESTIONS)

- Choose the correct answer for each from the given options:
- (i) It is a trial idea:
- (a) Experiment (b) Hypothesis (c) Theory (d) Scientific Law
- (ii) It is the empirical formula of glucose:
- (a)  $CH_2O$  (b)  $C_2H_4O_2$  (C)  $C_5H_{10}O_5$  (d)  $C_6H_{12}O_6$
- (iii) It is not an isotope of oxygen:
- (a) 150 (b) 170 (c) 180 (d) 190
- (iv) The vertical columns of the periodic table are called:
- (a) Periods (b) Series (c) Groups (d) Rows
- (v) It is an ionic compound:
- (a) H<sub>2</sub>O (b) CO<sub>2</sub> (c) NH<sub>2</sub> (d) NaCl
- (vi) Neither definite shape nor definite volume is the property of:
- (a) Solid (b) Liquid (c) Gas (d) None of them
- (vii) It is defined as the number of moles of solution dissolved in one litre of solution:
- (a) Molarity (b) Molality (c) Normality (d) Mole fraction
- (viii) It is the unit of electrical current:
- (a) volt (b) coulomb (c) faraday (d) ampere
- (ix) It is a proton-donar:
- (a) Acid (b) Base (c) Salt (d) Alkali
- (x) It is an exothermic process:
- (a) Evaporation (b) Respiration
  (c) Thermal decomposition (d) Melting
- (c) Thermal decomposition (d) Melting (xi) It is an ion-exchanger resin:
- (xi) It is an ion-exchanger resin: (a) Na-zeolite (b) Ca(OH)<sub>2</sub> (c) MgSO<sub>4</sub> (d) NaCl
- (xii) When carbon burns in air, this gas is produced:
- (a) SO<sub>2</sub> (b) H<sub>2</sub>S (c) NH<sub>3</sub> (d) CO<sub>2</sub>
- (xili) It is the study of Hydrocarbons and their derivatives:
- (a) Physical Chemistry (b) Inorganic Chemistry
- (c) Organic Chemistry (d) Environmental Chemistry (xiv) This gas is used for respiration:
- (xiv) This gas is used for respiration: (a) Hydrogen (b) Oxygen (c) Nitrogen (d) Chlorine
- (xv) It is the only liquid metal: (a) Bromine (b) Mercury (c) Gold (d) Sulphur
- (xvi) The most abundant and useful halogen is:
- (a) Fluorine (b) Chlorine (c) Bromine (d) lodine (xvii) Red ink is normally prepared from:

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McGill University. Department of Chemistry

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