ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Biological Sciences **Class: XI** **Date: 21.11 .2020**

Plant respiration **F.M:15**

WORKSHEET – 52 **(1x15=15)**

i) Respiration is called catabolic because

(1) Organic substance is oxidised (2) Glucose is broken down to CO2 , energy and water (3) Dry weight of an organism is reduced **(4) All of these**

ii) Amoeba has

(1) Direct respiration (2) Indirect respiration **(3) Both (1) and (2)** (4) Anaerobic respiration

iii) *Rhizophora* respires in muddy and saline soil through-

(1) Stomata (2) Lenticels **(3) Pores on the surface of pneumatophores** (4) All of these

iv) When protein is used as a respiratory substrate , it is called -

(1) Floating respiration **(2) Protoplasmic respiration** (3) Direct respiration (4) Indirect respiration

v) Which of the following products is formed in all the types of respiration?

(1) CO_2 **(2) Lactic Acid** (3)Pyruvic Acid (4) Ethanol

vi) Which of the following is found in facultative and obligate anaerobes?

(1) Aerobic respiration (2) Anaerobic respiration **(3) Fermentation** (4) Both (1) and (2)

vii) Which of the following is not a type of fermentation?

(1) Citric Acid Fermentation (2) Lactic Acid fermentation (3) Alcoholic fermentation **(4) Malic Acid Fermentation**

viii) Fermentation in *Lactobacillus* forms

(1) **Lactic Acid** (2) Ethanol (3) CO2 (4) All of these

ix) *Leuconostoc* has -

(1) Homolactic fermentation **(2) Heterolactic fermentation** (3) Aerobic respiration (4) Anaerobic respiration

x) 1 molecule of Glucose in anaerobic respiration yields _____ kcal of energy

(1) 36 **(2) 50** (3) 686 (4) 70

xi) In human body , lactic acid fermentation is observed in-

(1) Bone cells **(2) Muscle cells** (3) Red Blood Cells (4) White Blood Cells

xii) The conversion of Glucose to Pyruvic Acid is called

(1) **Glycolysis** (2) Glycogenesis (3) Glucolysis (4) Glucogenesis

xiii) Glycolysis takes place in-

(1) Mitochondria **(2) Cytoplasm** (3) Nucleus (4) Plasma membrane

xiv) Glycolysis has _____ irreversible steps -

(1) 1 (2) 2 **(3) 3** (4) 4

xv) Glycolysis is a _____ step process.

(1) 1 (2) 5 (3) 7 **(4) 10**

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Manjaree Guha