ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Biological Sciences **Class: XI** **Date: 06.03.2021**

Photosynthesis in Higher Plants **F.M:15**

WORKSHEET – 68 **(1x15=15)**

i) The pigments possessed by bacteria include

(1) Bacteriochlorophyll (2) Phycoxanthin (3) Bacterioviridin (4) All of these

ii) The organisms which utilise chemical organic compound as a source of energy are called

(1) Photoutotroph (2)Chemo organotroph (3)Chemilithotroph (4)None of these

iii) Which of the following is an inorganic electron donor in the bacteria?

(1) Molecular Hydrogen (2) H_2S (3) Both (1) and (2) (4) None of these

iv) Which of the following is a photosynthetic plant?

(1) Cuscuta (2)Rafflesia (3) Monotropa (4) Gladiolus

v) The stroma does not contain

(1) DNA (2) Ribosomes (3) Golgi body (4)RNA

vi) Grana are interconnected by unstacked

(1) Thylakoid (2) Stroma (3) Stroma lamellae (4)Chromatophore

vii) The photon in LHC is absorbed by

(1) Light harvesting antennas (2) Reaction centre (3) Chromatophore (4)Stroma lamellae

viii) Which of the following is a photosynthetic bacterium?

(1) Chlorobium (2) Rhodospirillium (3) Heliobacterium (4)All of these

ix) The number of pyrrole rings present-

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

x) Along with the pyrrole ring is attached to

(1) Ethanol (2) Phytol (3) Methanol (4) All of these

xi) Energy contained in the photon is called

(1) Photosynthin (2) Lutein (3)Quantum (4) Lipochrome

xii) Allophycocyanin is found in both

(1) Algae (2) Fungi (3) Plants (4) Animals

xiii) Which of the following is a product is formed after the light reaction?

(1) ATP (2)NADPH (3) Both (1) and (2) (4) None of these

xiv) The terminal electron acceptor in Photosystem I is

(1) Ferredoxin (2)Plastoquinone (3) Ubiquinone (4) All of these

xv) Photosystem I absorbs _____ of light

(1) 680 nm (2) 700 nm (3) 760nm (4) 400nm

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