



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences Class: XI Date: 09.07.2020

## Plant Kingdom: Thallophyta (Chlorophyta) and Bryophyta F.M:15

### WORKSHEET – 21(Answers)

(1x15=15)

i) Which of the following is freshwater green algae?

- (1) *Oedogonium* (2) *Ulothrix* (3) ***Chlamydomonas*** (4) *Caulerpa*

ii) Which of the following is not an accessory pigment of green algae?

- (1) Zeaxanthin (2) **Fucoxanthin** (3) Neoxanthin (4) Antheraxanthin

iii) Reserve food in Chlorophyta is

- (1) **Starch** (2) Laminarin (3) Mannitol (4) Floridean starch

iv) Which antibiotic is obtained from Chlorophyta?

- (1) Fucoidan (2) **Chlorellin** (3) Sodium laminarin sulphate  
(4) None of these

v) An alga rich in protein is-

- (1) ***Chlorella*** (2) *Spirogyra* (3) *Nostoc* (4) *Ulothrix*

vi) The life cycle of algae such as *Spirogyra* is

- (1) Diplontic (2) **Haplontic** (3) Haplo-diplontic (4) Diplo-haplontic

vii) An algae which can be used as food for human is

- (1) *Polysiphonia* (2) *Ulothrix* (3) ***Monostroma*** (4) *Spirogyra*

viii) Which of the following is an example of chlorophyllous thallophyte?

- (1) ***Spirogyra*** (2) *Gnetum* (3) *Volvariella* (4) *Nephrolepis*

ix) The leaf –like structure of bryophytes is?

- (1) Cauloid (2) **Phylloid** (3) Rhizoid (4) None of these

x) The main plant body in bryophytes is

- (1) **Gametophytic** (2) Sporophytic (3) Both (1) and (2) (4) None of these

xi) The algae used in sewage disposal is

- (1) *Euglena* (2) *Volvox* (3) ***Chlamydomonas*** (4) *Ulva*

xii) The sporophyte of bryophyte has-

- (1) Foot (2) Seta (3) Capsule (4) **All of these**

xiii) The spores produced by the sporophyte are

- (1) **Haploid** (2) Diploid (3) Triploid (4) Tetraploid

xiv) The flask shaped part in bryophytes is

- (1) Antheridium (2) **Archegonia** (3) Thallus (4) Rhizoids

xv) The sexual reproduction in bryophytes has a small motile antherozoid and large non-motile ovum. So, it is-

- (1) Isogamous (2) **Oogamous** (3) Anisogamous (4) None of these

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