



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI Date: 08.07.2020

Plant Kingdom: Thallophyta (Rhodophyta and Phaeophyta)

F.M:15

WORKSHEET – 20 (Answers)

(1x15=15)

i) Which of the following produce seeds?

- (1) Thallophyta (2) Bryophyta (3) **Gymnosperms** (4) Pteridophyta

ii) When gametangia are morphologically similar, they are called-

- (1) Heterogametangia (2) **Isogametangia** (3) Homogametangia (4) Anisogametangia

iii) Flagellated motile stages are absent in

- (1) Chlorophyta (2) Cyanophyta (3) Phaeophyta (4) **Rhodophyta**

iv) The main reserve food in red algae is

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

v) Which of the following pigments is responsible for the 'red' colour of Rhodophyta?

- (1) Chlorophyll a (2) Fucoxanthine (3) **Phycoerythrin** (4) Beta-carotene

vi) Which of the following is not a non-motile spore?

- (1) Monospore (2) **Zoospore** (3) Carospore (4) Tetraspore

vii) The female sex organ in red algae are called

- (1) **Carpogonia** (2) Oogonia (3) Antheridia (4) Spermatogonia

viii) Which of the following is commonly called 'Irish moss'?

- (1) *Rhodymenia* (2) **Chondrus** (3) *Palmaria* (4) *Porphyra*

ix) Which of the following is obtained from red algae?

- (1) Algin (2) **Agar** (3) Chlorellin (4) Fucoidan

x) Which of the following pigments is absent in Phaeophyta?

- (1) Chlorophyll a (2) Beta-carotene (3) **Phycocyanin** (4) Fucoxanthine

xi) The main food reserve in brown algae is

- (1) Laminarin (2) Mannitol (3) **Both (1) and (2)** (4) Starch

xii) Which of the following are generally restricted entirely to the marine habitats?

- (1) Chlorophyta (2) Rhodophyta (3) Cyanophyta (4) **Phaeophyta**

xiii) Which of the following organisms do not belong to Phaeophyta?

- (1) Laminaria (2) Sargassum (3) **Gelidium** (4) Fucus

xiv) Which of the following groups of algae is prokaryotic?

- (1) **Cyanophyta** (2) Chlorophyta (3) Rhodophyta (4) Phaeophyta

xv) Which of the following does not have a foliose structure?

- (1) Sargassum (2) Fucus (3) **Ectocarpus** (4) Macrocystis

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