



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

(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) Carpospore (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) *Rhodomenia* (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 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

Manjaree Guha