



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI Date: 10.07.2020

## Plant Kingdom: Classification of Bryophyta

F.M:15

### WORKSHEET – 22

(1x15=15)

i) The spores in bryophytes are-

- (1) Diploid (2) Haploid (3) Polyploid (4) Hexaploid

ii) *Marchantia* is a bryophyte as it does not contain-

- (1) Independent sporophyte (2) Seeds (3) Roots (4) Vascular tissues

iii) Liverworts differ from mosses in having-

- (1) Multicellular rhizoids (2) Peristome teeth (3) Scales (4) All of them

iv) Which of the following organisms have a radially symmetric gametophyte?

- (1) *Riccia* (2) *Marchantia* (3) *Anthoceros* (4) *Funaria*

v) Pyrenoids are present with chloroplasts in-

- (1) Hepaticopsida (2) Bryopsida (3) Anthocerotopsida (4) All of them

vi) In which of the following groups the protonemal stage is completely absent?

- (1) Bryopsida (2) Anthocerotopsida (3) Hepaticopsida (4) All of them

vii) Pseudoelaters are seen in the spore sac of

- (1) *Riccia* (2) *Marchantia* (3) *Funaria* (4) *Anthoceros*

viii) In *Pogonatum*, the sex organs are

- (1) Dorsal (2) Terminal (3) Both (1) and (2) (4) None of these

ix) Rhizoids are unicellular in-

- (1) *Riccia* (2) *Marchantia* (3) *Porella* (4) All of these

x) Operculum is present in-

- (1) *Riccia* (2) *Funaria* (3) *Marchantia* (4) *Dendroceros*

xi) Which of the following in *Funaria* help in spore dispersal?

- (1) Peristome teeth (2) Columella (3) Jacket (4) Foot

xii) Antheridia is endogenous in

- (1) *Porella* (2) *Funaria* (3) *Anthoceros* (4) *Pogonatum*

xiii) Which of the following is absent in *Polytrichum*?

- (1) Scales (2) Operculum (3) Peristome teeth (4) Chloroplast

xiv) In Anthocerotopsida, the sporophyte grows indefinitely because of-

- (1) Foot (2) Seta (3) Capsule (4) Intercalary meristem

xv) The part of the bryophytes which is green, leafy and bears sex organs is called-

- (1) Sporophyte (2) Gametophyte (3) Both (1) and (2) (4) None of these

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