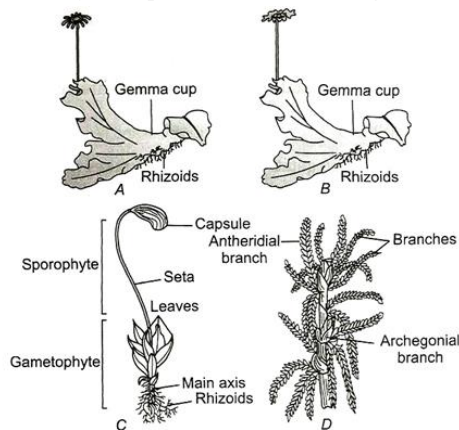


Topic :- Plant Kingdom

- Cyanobacterium is an algae having
 - Blue-green pigment
 - Red pigment
 - Brown pigment
 - Yellow-brown pigment
- A mature pollen grain of *Pinus* has
 - 2 cells
 - 3 cells
 - 4 cells
 - 5 cells
- Mannitol is reserve food in
 - Rhodophyceae
 - Chlorophyceae
 - Phaeophyceae
 - Xanthophyceae
- In pteridophytes spore germinate to give rise to
 - Thalloid gametophytes called prothallus
 - Thalloid sporophytes called prothallus
 - Thalloid sporocarp
 - Thalloid, photosynthesis sporophyte
- Gymnosperms include
 - Medium-sized trees
 - Tall tree
 - Shrubs
 - All of these
- In homosporous pteridophyte, the gametophyte is
 - Vascular
 - Monoecious
 - Dioecious
 - May be monocious or dioecious
- Identify the plants shown in figure and select the correct option



- A-Marchantia* (male thallus), *B-Marchantia* (female thallus), *C-Funaria*, *D-Sphagnum*
 - A-Marchantia* (male thallus), *B-Marchantia* (female thallus), *C-Sphagnum*, *D-Funaria*
 - A-Marchantia* (male thallus), *B-Marchantia* (female thallus), *C-Polytrichum*, *D-Anthoceros*
 - A-Marchantia* (female thallus), *B-Marchantia* (male thallus), *C-Anthoceros*, *D-Polytrichum*
- Anther produces
 - Pollen grains
 - Spores
 - Gametes
 - Egg cell
 - The only positive evidence of aquatic ancestry of bryophyte is
 - Thread like protonema
 - Green colour
 - Some forms are still aquatic
 - Ciliated sperms

10. The heart-shaped form of prothallus represents
a) Dioecious
b) Monoecious sporophyte
c) Monoecious gametophyte
d) None of the above
11. Which of the following statements is right?
a) Fronds are found in bryophytes
b) Multiciliate sperms are found in angiosperms
c) Diatoms produce basidiospores
d) Heterocysts are found in *Nostoc*
12. Classification on the basis of chemical constituents of plant is known as
a) Molecular taxonomy
b) Chemical taxonomy
c) Chemotaxonomy
d) Chemosynthetic classification
13. Which of the following liverworts have thalloid plant body?
a) *Marchantia*
b) *Funeria*
c) *Sphagnum*
d) *Pogonatum*
14. Phycology is the study of
a) Algae
b) Fern
c) Fungi
d) Bryophytes
15. Consider the following statements about bryophytes
I. Sexual reproduction is oogamous type
II. The sex organs are multicellular and jacketed with sterile jacket
III. The haploid gametophytes is dominant stage in the life cycle bryophytes
Which of the statements given above are correct?
a) I and II
b) I and III
c) II and III
d) I, II and III
16. Chlorophyll-*b* is not present in
a) Green algae
b) Bryophytes
c) *Spirogyra*
d) Blue-green algae
17. Natural system of classification were based upon
a) Structural embryology
b) Phytochemistry
c) Anatomy
d) All of the above
18. Largest moss is
a) *Pogonatum*
b) *Funaria*
c) *Dawsonia*
d) *Polytrichum*
19. Which of the following petridophytes belong to class-Pteropsida?
a) *Equisetum* and *Psilotum*
b) *Lycopodium* and *Adiantum*
c) *Selaginella* and *Pteris*
d) *Pteris* and *Adiantum*
20. *Cycas revoluta* is popularly known as
a) Date palm
b) Sago palm
c) Sea palm
d) Royal palm