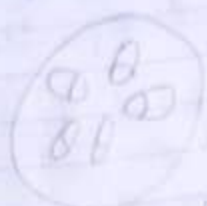


Life Cycle of Psilotum

5) Scattered vascular bundles are discrete bundles of xylem and phloem



JUSTICE

Atactostele In grasses and monocotyledonous plants the vascular bundles are scattered



ATACTOSTELE

Siphonostele In more advanced vascular systems of ferns and higher vascular plants, the stele is a cylinder enclosing a pith, with a pith.



SIPHONOSTELE

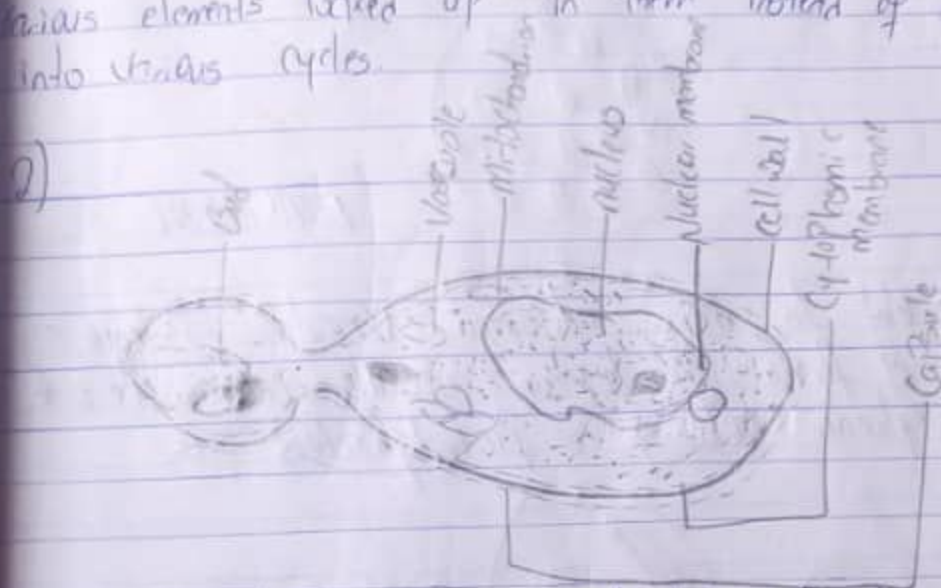
Dictyostele In siphonostele, vascular supply to leaves is associated with leaf gaps and the conducting tissue is a dissected one.



DICTYOSTELE

Admission	19/10/2024	Precious
	M.Sc. Biology	Science

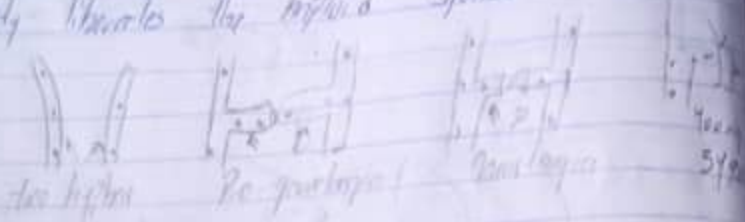
1) Fungi are very important to the entire terrestrial ecosystem in material cycling and to man. Fungi are also responsible for the reduction of decay of organic matter, without fungi and other microbes, the surface of the earth would have been clogged up with dead matters with all the various elements locked up in them instead of returning into various cycles.



(All Structure of a Unicellular Structure)

3) *Rhizopus Stolonife*, \therefore Sexual reproduction occurs when two mating types of hyphae grow in the same medium. On interaction in the two mating types of hyphae, yeasts grow perpendicular to the hyphae in opposite directions. These growths are delimited by a wall, such that nuclei are isolated in what is called a gametangium. The two gametangia fuse (Plasmogamy) and a Zygote formed which may undergo prolonged dormancy or rest.

Step The nuclei in the zygote first in turn undergo meiosis independently. In zygote germination in favourable conditions to produce a fruiting body actively liberates the hybrid spores.



31/2/21 Sexual reproduction in *Phragmites stolonifera*

- They have definite structures for water and nutrient absorption from the soil, therefore the plant body is divided into two (aerial and subterranean portion). The subterranean portion is the rhizome and is not a true root as the roots of land plants that are always below ground.
- The aerial portion being exposed to the atmosphere develops special modifications that prevent excessive loss of water through the body surface (desiccation).
- Some other modifications that prevent elimination of excess water from the plant body and not only external openings between the internal parts of the plant and the atmosphere therefore openings are available on the aerial parts of the plants.

Fungi are
multicellular
the product
of other
have been
various elements
into various.

Cell
Phragmites
they are
reaction
with
these gro
nuclei
The
and