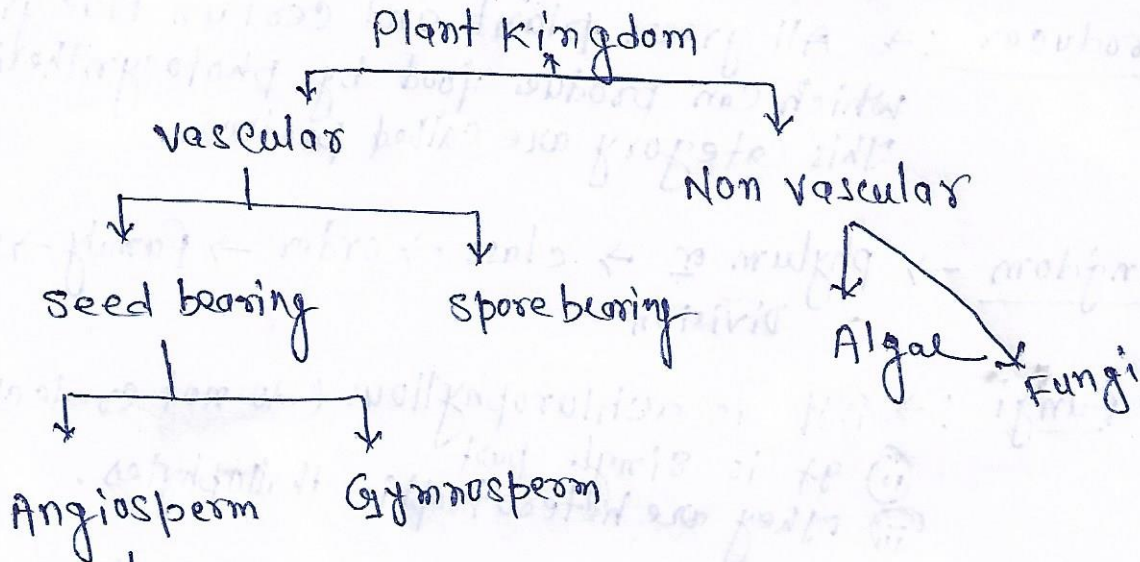


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 subject - Biology (zoology)
 class - XI

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Topic :- plant kingdom



- ① Thallophyta
 - ② Bryophyta
 - ③ Pteridophyta
 - ④ Gymnosperms
- e.g - Spirogyra, Ulothrix etc.

Thallophyta are known as algae
 It is water based plant

characteristics of thallophyta

- (i) They are originated in moist places or wet places.
- (ii) It is autotrophic in nature
- (iii) The cell wall made up of glucose and glucose is complex compounds transformed
- (iv) The cell wall made up of cellulose are around the cells.
- (v) sex organs are simple and single celled, there are no embryo making after fertilization

Thallophyta



International code of Botanical nomenclature (ICBN)

International code of zoological nomenclature (ICZN)

Nomenclature system term scientist by
Karolies-Linnyes

Phylum : → classification of organism that consists of one or several classes.

producer : → All green plant and certain blue green algae which can produce food by photosynthesis. This category are called producers.

Kingdom → phylum or Division → class → order → family → genus → species.

② Fungi : → (i) It is achlorophyllous (do not create chlorophyll)
(ii) It is single part
(iii) they are heterotrophic thallophytes.

② Bryophyta : (i) Bryophyta plant body are stem and leaf like structure.

(ii) Bryophyta originated in both are land and aquatic environments

e.g. Mosses and Marchantia

Mosses release spores from their leaves and create the new mosses in new sites.

(iii) Diploid zygotes are produced into a sporophyte

③ pteridophyta : → The pteridophyta are well distinguished structure are formed such like as stem, leaves, root as well as vascular tissue.

e.g. ferns, Marsilea etc.

All Bacteria are Monera Kingdom.

plants are mainly multicellular, photosynthetic and eukaryotic

Father of Zoology - Aristotle

Father of Botany - Theophrastus

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