

General Characters of Pteridophytes


1. The Pteridophytes are green , terrestrial, vascular, non-flowering, true land plants called as vascular cryptogams.
 2. Plants are small upto 2-3 feet in height.
 3. Well differentiated into roots, stem and leaves, roots-adventitious, stem-herbaceous, Leaves-simple, compound, large or small.
- Reproduce vegetatively , asexually and sexually, veg-tubers, asexual-spores, sexual-sex organs.
- The sporophytes are dominant, visible.

6. Sexual reproduction -oogamous.
 - Male- Antheridia.
 - Female-Archegonia.
7. Monoecious or dioecious.
8. Antheridia-Anthrozooids.

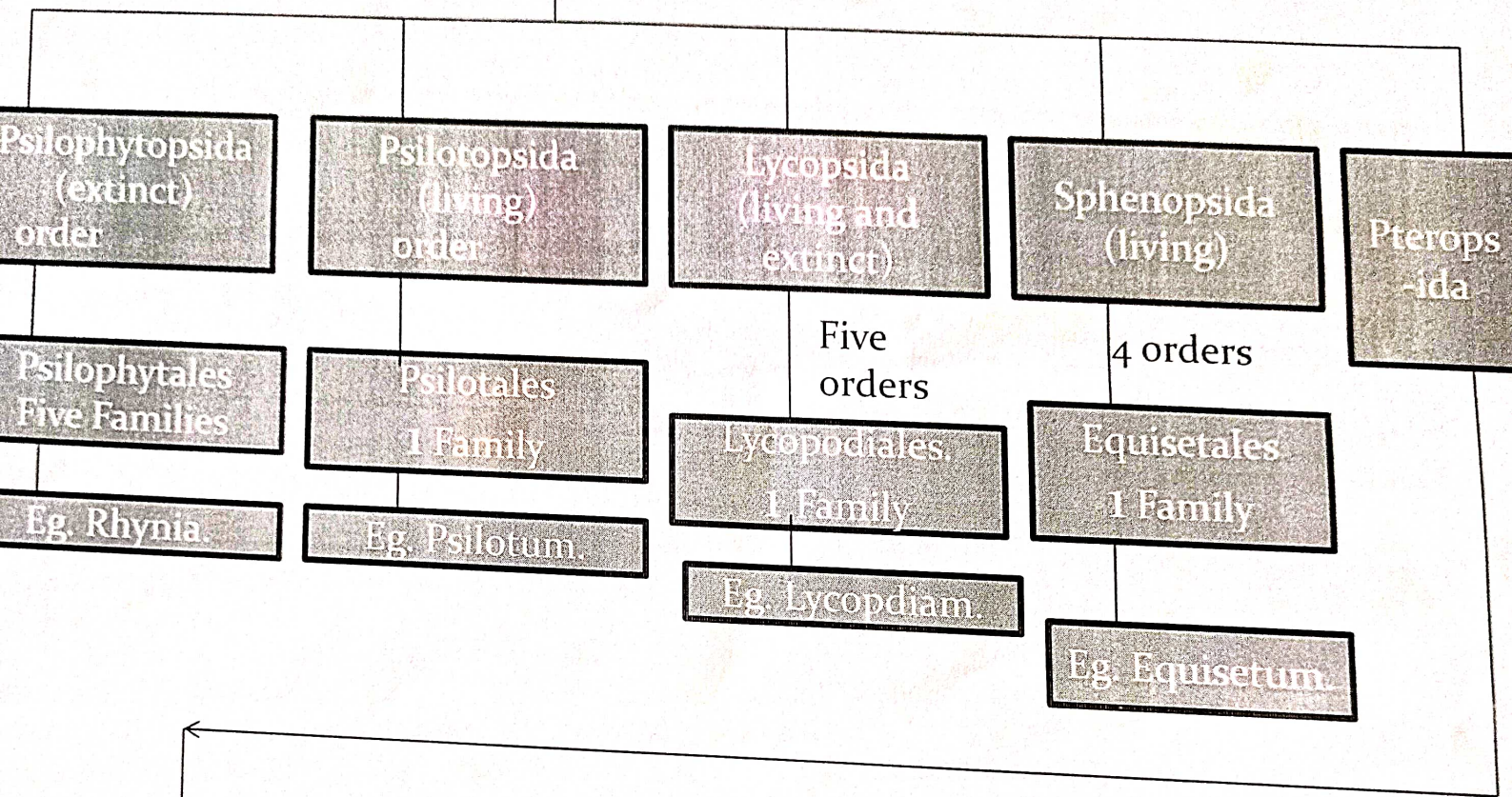
 - Archegonia-Egg-Fertilization-Zygo
Embroy-Sporophyte.
9. Alternation of generation.
10. Heteromorphic life cycle.

Classification of Pteridophytes.

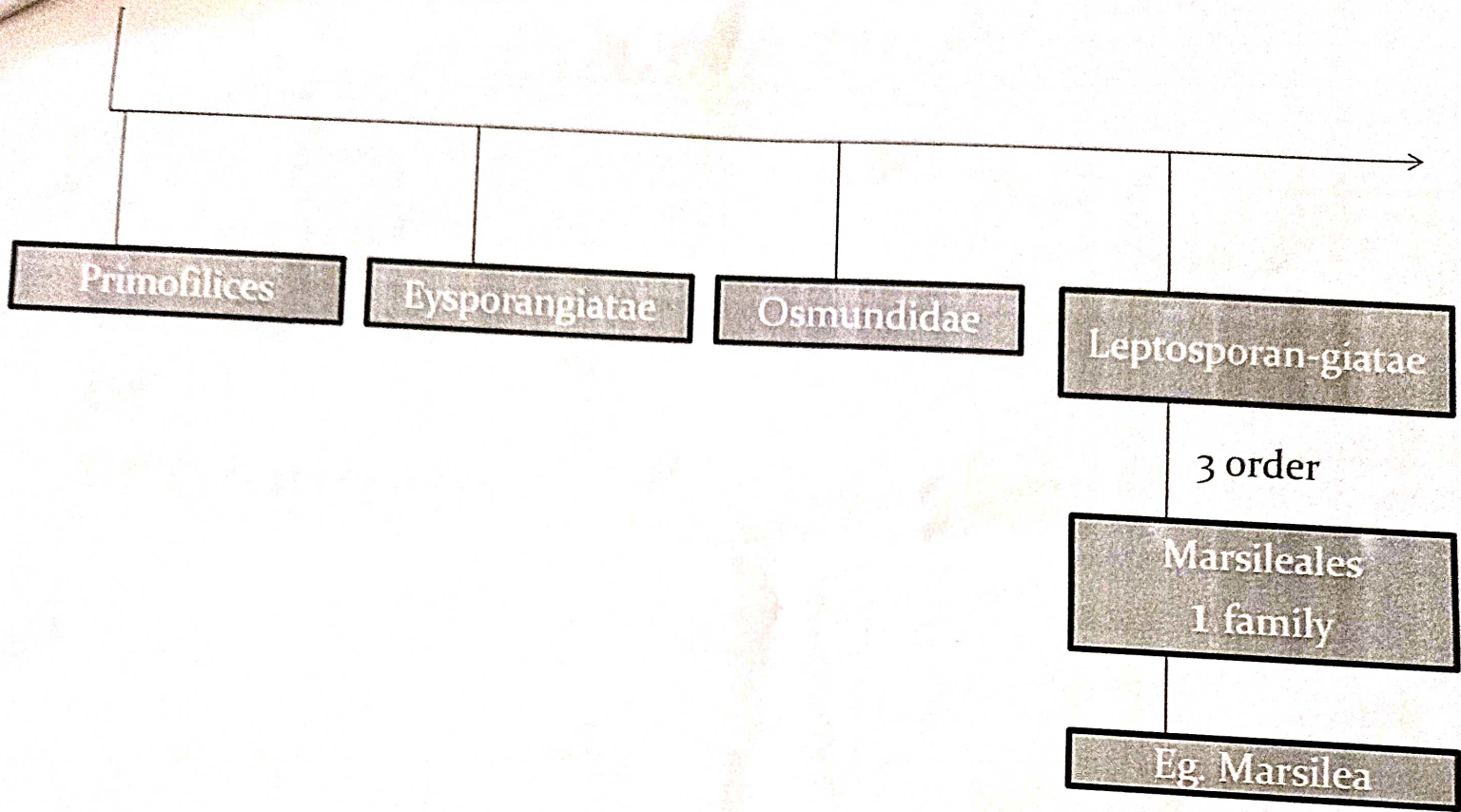
N.S.Parihar

Vascular Plants 
→ Divi-Pteridophyta
→ ~~Divi-Spermatophyta~~

Divi-Pteridophyta

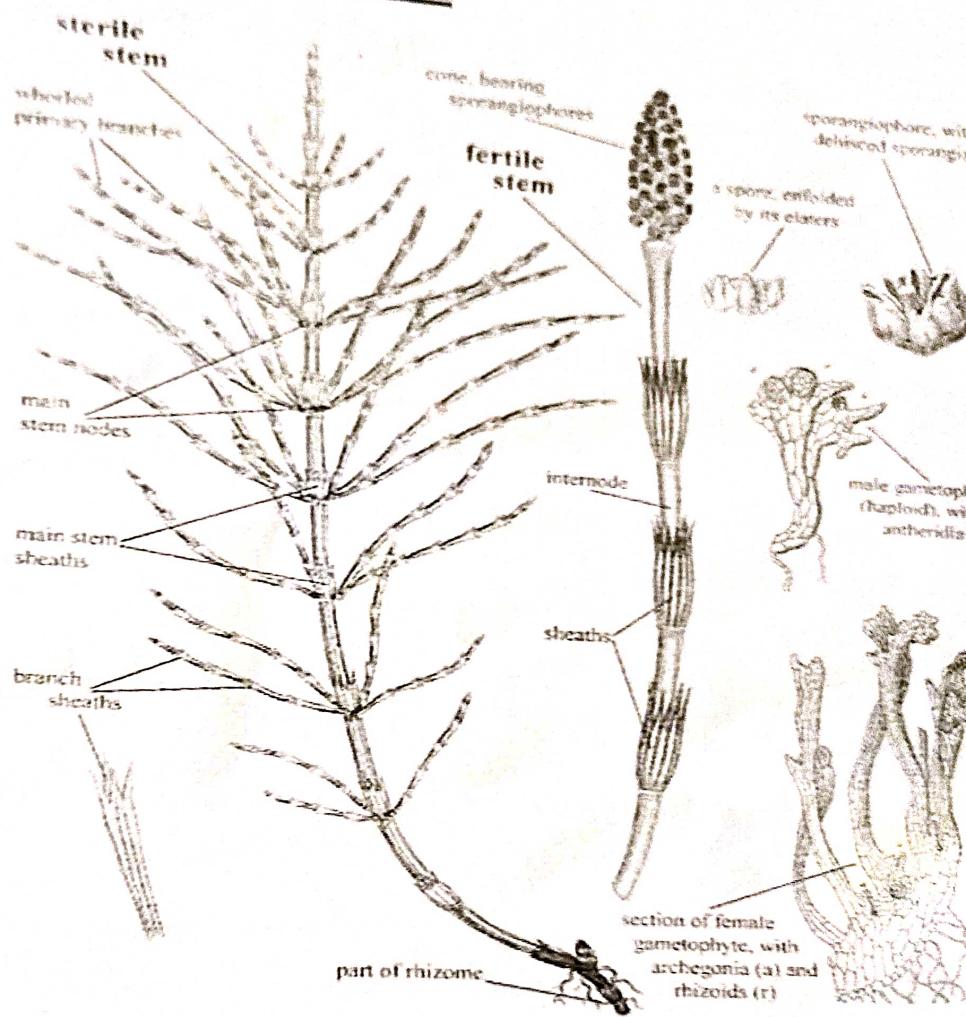


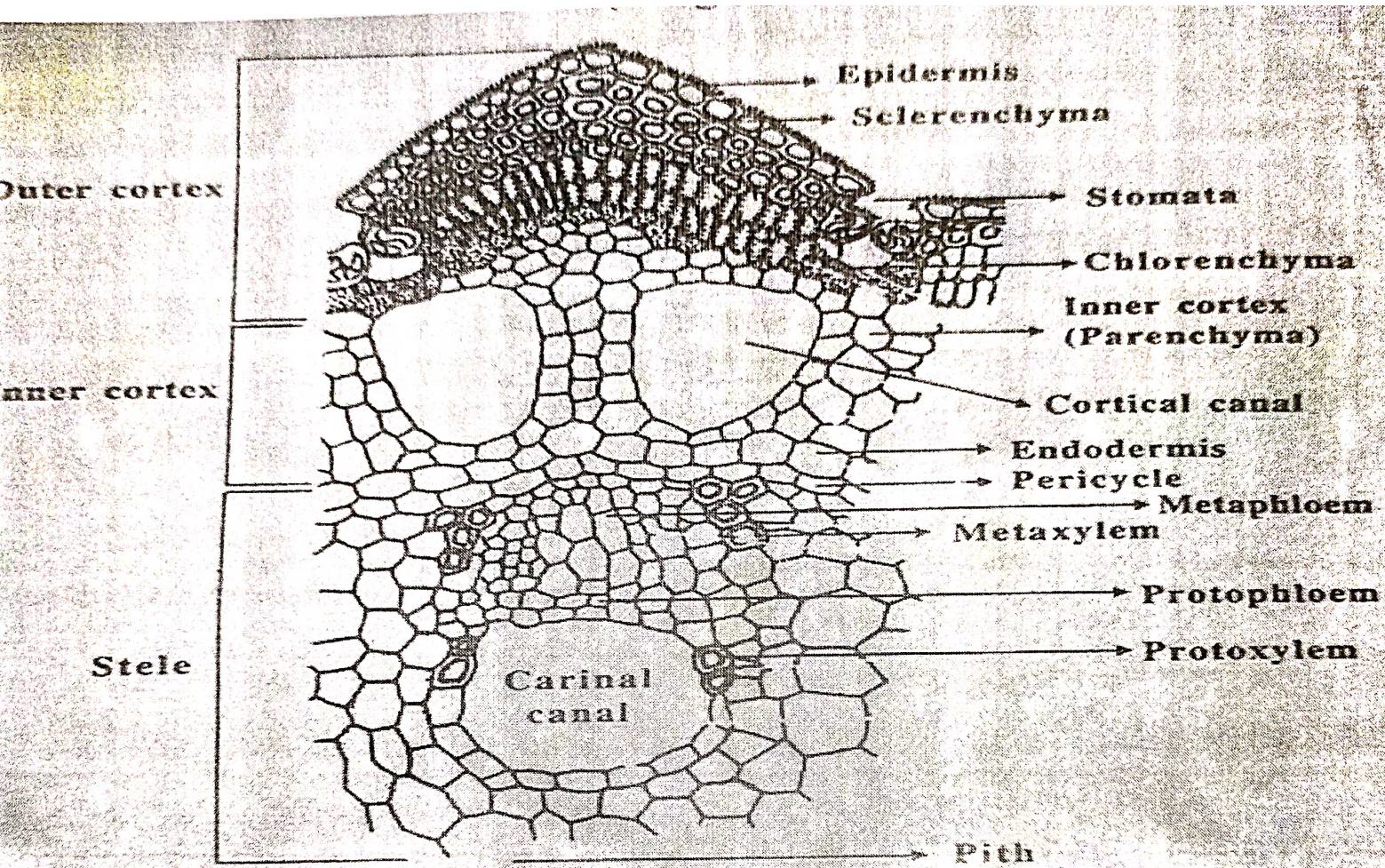
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EQUISETUM

External character of sporophyte -





B
T.S. of Stem

Fig.8.12 (A-B). PTERIDOPHYTA: Equisetum :
Internal structure of aerial stem (T.S. of internode)

THANK U