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**BOH 451**

**II Semester M.Sc. Examination, September/October 2022**  
**(CBCS)**  
**BOTANY**  
**Plant Morphology and Taxonomy – II**  
**(Hard Core)**

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following. **Each** answer **not** exceeding **five** pages.

**(3×10=30)**

- 1) Give an account of stelar evolution in Pteridophytes.
- 2) Write on the salient features of Cycadales.
- 3) Bring out the use of cytological data in solving taxonomic problems.
- 4) Give the diagnostic characters of
  - a) *Sapotaceae*
  - b) *Bignoniaceae*
  - c) *Myristicaceae*
  - d) *Moraceae*.
- 5) Give an account of Orchidaceae.

II. Write notes on **any six** of the following. **Each** answer **not** exceeding **three** pages.

**(6×5=30)**

- 6) Heterospory and seed habit.
- 7) Medullosaceae.
- 8) Ginkgoales.
- 9) Economic importance of Gymnosperms.
- 10) Classification of Pteridophytes.
- 11) Pollen characters useful in taxonomy.
- 12) Lauraceae.
- 13) Zingiberaceae.

P.T.O.



III. Write short notes on **any five** of the following. **Each** answer **not** exceeding **one** page. **(5×2=10)**

- 14) Strobilus.
  - 15) *Psilotum*.
  - 16) Ephedrine.
  - 17) Numerical taxonomy.
  - 18) Podostemaceae.
  - 19) Economic importance of Araceae.
  - 20) Grass spikelet.
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