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BOH 401

I Semester M.Sc. Examination, December 2018
(CBCS)
BOTANY
Plant Morphology and Taxonomy – I
(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 the thallus organization and reproduction in *Rhodophyceae*.
 - 2) Write on the life cycle pattern and reproduction in *Hepaticae*.
 - 3) Bring out the characters of the family *Magnoliaceae*. Add a note on its taxonomic position and phylogeny.
 - 4) Write an account on the herbarium methodology. Add a note on significance of herbaria.
 - 5) Give the diagnostic characters of :
 - a) *Capparidaceae*
 - b) *Melastomataceae*
 - c) *Clusiaceae*.
- II. Write notes on **any six** of the following. **Each** answer **not** exceeding **three** pages. **(6×5=30)**
- 6) Fossil algae
 - 7) Typification
 - 8) Economic use of Bryophytes
 - 9) Botanical Survey of India
 - 10) Stamens in *Nymphaeaceae*

P.T.O.



- 11) APG system of classification
- 12) Sporophyte of *Anthoceros*
- 13) Conjugation in algae.

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

- 14) *Elaters*
 - 15) Nannandria
 - 16) Willian Roxburgh
 - 17) Monograph
 - 18) Species plantarum of Linnaeus
 - 19) Thallus in *Marchantia*
 - 20) *Nomina conservanda*.
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