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**BOE 513**

**III Semester M.Sc. Degree Examination, December 2018**  
**(CBCS)**  
**BOTANY**  
**Plant Propagation (Open Elective Paper)**

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following. **Each** answer **not** exceeding  
5 pages. **(3×10=30)**

- 1) Give a detailed account of propagation structures and add a note on the modern plant propagation industry.
- 2) Briefly describe the role of hormones in plant growth and development.
- 3) Write an account of the biotic factors affecting propagation.
- 4) What is layering ? Describe the techniques of layering in plant propagation.
- 5) Define micro propagation and describe the techniques and procedures.

II. Write notes on **any six** of the following. **Each** answer **not** exceeding  
3 pages. **(6×5=30)**

- 6) Seed propagation.
- 7) Micronutrients.
- 8) Microclimatic factors.
- 9) Seed testing.
- 10) Polyembryony.
- 11) Orchid propagation methods.
- 12) Rooting media for propagation.
- 13) Nursery techniques.

P.T.O.



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

- 14) Chip budding.
  - 15) Hardening.
  - 16) Greenhouse effect.
  - 17) Mercuric chloride.
  - 18) Laminar air flow cabinet.
  - 19) Clones.
  - 20) Seed germination.
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