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BOH 501

III Semester M.Sc. (CBCS) Degree Examination, December 2018
BOTANY (Hard Core)
Plant Ecology and Environment

Time : 3 Hours

Max. Marks : 70

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

- 1) Explain the productivity and energy flow of an ecosystem.
- 2) Write an essay on pollination types with suitable examples.
- 3) Give an account of Phytosociological methods.
- 4) Discuss the characteristics of population.
- 5) Write an essay on causes and effects of water pollution.

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

- 6) Ecotone and edge effect.
- 7) Theories about climax.
- 8) Soil profile.
- 9) Diversity indices.
- 10) Seed dispersal methods.
- 11) Ecads and ecotypes.
- 12) Causes and effects of ozone depletion.
- 13) Sources and causes of radioactive pollution.

P.T.O.



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

- 14) Food web
 - 15) Seed viability.
 - 16) Density dependence.
 - 17) Paleoecology.
 - 18) Green house effect.
 - 19) Nuclear accident.
 - 20) Deterministic model.
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