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Pre-Ph.D. Course Work

Printed Pages : 2
Roll No.

PP-1034

Pre-Ph.D. Course Work Examination, July-2021

(Session 2018-19)

BOTANY

Paper-II

(Advanced Botany)

(Ph.D. H-05)

Time : Three Hours

[Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks.

1. Describe the principle and utility of Atomic Absorption Spectrophotometry.
2. Give an account of the guidelines of IUCN. Add a note of the circumscription of genus and species.
3. Explain any two of the following :
 - (a) Auxin/CKN ratio
 - (b) MTCC
 - (c) RSE
4. Describe biofertilizers and their application. Also comment upon spirulina cultivation.

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5. What is MiRNA ? Discuss the technique and comment upon gene silencing.
6. Discuss characterization and annotation of SSR from ESTs.
7. Give an illustrated account of the reproduction in Bryophytes.
8. Comment upon any two of the following :
 - (a) Living Fossils
 - (b) BNF
 - (c) Gene therapy
9. Give an account of the online tools studied by you. What is their application ?
10. Write notes on any two of the following :
 - (a) Data bases
 - (b) Floristics
 - (c) PAGE