



বিদ্যাসাগর বিশ্ববিদ্যালয়

**VIDYASAGAR UNIVERSITY**

**M.Sc. Examinations 2020**

**Semester IV**

**Subject: BOTANY**

**Paper: 497**

(Grand Viva)

**Full Marks: 25**

**Time: 2hrs.**

*Candidates are required to give their answers in their own words as far as practicable.*

**Answer any one question from the following (within 250 words)**

1. Discuss different components found in an endospore.
2. What are the different process for enumeration of viruses?
3. What are the basic differences between taxonomy, systematics and biosystematics?
4. Who proposed the latest classification of Bryophytes? What are the basic differences between traditional and current system of classification in Bryophytes?
5. State the specific functions played by algae in making soil fertile.
6. Explain the infectious heredity as an extranuclear inheritance.
7. Briefly discuss the Wegener's continental drift hypothesis. Give some proofs in favour of the hypothesis.
8. Write a note on melissopalynology.
9. Discuss on the Tetrapolar mating system.
10. What do you know about the exclusion of the pathogen?
11. Classify plants on the basis of photoperiodism. Describe the role of phytochrome in photomorphogenic response in respect to flowering.
12. What is the difference between primary and secondary metabolites? Describe any two types of plant secondary metabolites of medicinal importance.
13. Discuss ecotone.
14. Explain food web.