

M.Sc. (BOTANY) (Previous) DEGREE EXAMINATION :: MAY 2006**Paper - II : SYSTEMATICS OF ANGIOSPERMS AND PLANT ECOLOGY**

Time: Three hours

Maximum : 100 Marks

Answer any FIVE questions from Section - A**Each question carries 8 marks****Also answer ALL the question from Section - B****Each question carries 15 marks****SECTION - A****(5 X 8 = 40 marks)**

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|------------------------------------|---------------------------------|
| 1. Teak Zone | 2. Period of Herbalists. |
| 3. Type method | 4. Cytotaxonomy. |
| 5. Ecological energetics | 6. Secondary succession |
| 7. Non-renewable sources of energy | 8. Theory of continental drift. |

SECTION - B**(4 X 15 = 60 marks)**

9. (a) Describe in brief the past plant distributions.

Or

(b) Describe succinctly the pre-Darwinian systems of plant classification.

10.(a) Detail the principle of plant taxonomy.

Or

(b) How to evaluate the taxonomic categories?

11. (a) Give a comparative account of different types of ecosystems you studied. How do they differ with regard to their energy flow and productivity?

Or

(b) What is biogeochemical cycle? Describe the hychological cycle in detail.

12. (a) Describe the causes and consequences of environmental pollution and how to control it?

Or

(b) Narrate the principles of phytogeography.

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