

OCTOBER 2011

P/ID 40224/PBTD

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

Write short notes :

1. Systematic botany.
2. Cohort.
3. Qualitative character.
4. Author citation.
5. ICBN.
6. Monograph.
7. Flowers of Caryophyllaceae.
8. What is Palea?
9. Indented Key.
10. *Anogiessus latifolia*.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 250 words.

11. (a) Describe the objectives of plant systematics.
- Or
- (b) Describe the quantitative characters of plant systematics.
12. (a) Describe the role of Botanical Survey of India.
- Or
- (b) Briefly explain numerical taxonomy.
13. (a) Write a note on floristic studies.
- Or
- (b) Briefly mention effective and valid publications.
14. (a) Describe the characters of Takhtajan classifications.
- Or
- (b) What are the economic importances of Sapindaceae?

15. (a) Describe the flowers of Oleaceae.

Or

- (b) Write the systematic position of Portulacaceae.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

16. (a) Give an account of Bentham and Hookers Classification and add its merits and demerits.

Or

- (b) Write an essay on analytical and synthetic characters of plant taxonomy.

17. (a) Write an essay on Chemotaxonomy.

Or

- (b) Differentiate artificial and Natural system of classifications.

18. (a) Describe various kinds taxonomical keys and their usages.

Or

- (b) Write an essay on typifications.

19. (a) Compare and contrast of the plant families of Lythraceae and Onagraceae.

Or

- (b) List out varied characters between Bignoniaceae and Boragnaceae.

20. (a) Enumerate the field identification, vegetative and floral characters and economic importance of

(i) Sapotaceae or (ii) Combretaceae.

Or

- (b) Describe the field identification characters and economic importance of

(i) Vitaceae or (ii) Orchidaceae.

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