4

SECTION - C   (2 × 20 = 40)

Answer ALL questions.
Each answer should not exceed 1,200 words.
All questions carry equal marks.

15. (a) Give a detailed account on the classification of Bentham and Hooker.

(OR)

(b) Compare the floral characters of the families Scrophulariaeae and Acanthaceae.

16. (a) Describe ecological succession.

(OR)

(b) Discuss the various types of forests in India.

Register Number :

Name of the Candidate :

2 0 0 9

M.Sc. DEGREE EXAMINATION, 2010

(BOTANY)

(SECOND YEAR)

(PAPER - VII)

210. TAXONOMY OF ANGIOSPERMS, ECONOMIC BOTANY, ENVIRONMENTAL BIOLOGY, PHYTOGEOGRAPHY & ELEMENTS OF FORESTRY

May]   [Time : 3 Hours

Maximum : 100 Marks

SECTION - A   (8 × 3 = 24)

Answer ALL questions.
Each answer should not exceed FIFTY words.
All questions carry equal marks.

Explain the following :

1. Priority.

2. Pollinium in Asclepiadaceae.

Turn Over

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3. Alkaloids.

4. Inflorescence in Apiaceae.

5. Bio-magnification.

6. Discontinuous distribution.

7. BOD.

8. Village forest.

SECTION - B   (6 × 6 = 36)

Answer ALL questions.

Each answer should not exceed 300 words.

All questions carry equal marks.

9. (a) Write notes on rejection and retention of names.

(OR)

(b) Write an account on effective and valid publication.

10. (a) Give a brief account on numerical taxonomy.

(OR)

(b) Give the importance of cytotaxonomy.

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11. (a) Outline the salient features of the family solanaceae.

(OR)

(b) Describe the tendrils and androecium in cucurbitaceae.

12. (a) Describe the cultivation of any two fruits.

(OR)

(b) Write an account on fibre yielding plants and their uses.

13. (a) Explain the energy flow in an ecosystem.

(OR)

(b) Give a brief account on different types of pollution.

14. (a) Outline the significance of social forestry.

(OR)

(b) Discuss the importance of sanctuaries.