

14. (a) Explain about Ethnobotany and its impact on discovery of modern medicines of plant origin.

(OR)

- (b) Explain how religious sentiments help in preservation of plants.

SECTION – C (2 × 20 = 40)

Answer ALL questions.

Each answer should not exceed 1,200 words.

All questions carry equal marks.

15. (a) Write an essay on cytotaxonomy.

(OR)

- (b) Compare the androecium and gynoecium of the families coming under class monocotyledonae.

16. (a) Write an essay on terrestrial ecosystem.

(OR)

- (b) What are your suggestions to prevent air, water and noise pollution ?

Register Number :

Name of the Candidate :

1 7 1 7

M.Sc. DEGREE EXAMINATION, 2008

(BOTANY)

(FIRST YEAR)

(PAPER - VII)

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

(Revised Regulations)

(Including Lateral Entry)

May]

[Time : 3 Hours

Maximum : 100 Marks

Answer sections A, B and C.

Draw diagrams wherever necessary.

Turn over

SECTION – A (8 × 3 = 24)*Answer ALL questions.**Each answer should not exceed 50 words.**All questions carry equal marks.**Explain the following :*

1. Lectotype.
2. Economic importance of the family solanaceae.
3. Poly unsaturated Fatty acids.
4. Autecology.
5. Silviculture.
6. Ethnobotany.
7. Perianth of Poaceae.
8. Xerosere.

SECTION – B (6 × 6 = 36)*Answer ALL questions.**Each answer should not exceed 300 words.**All questions carry equal marks.*

9. (a) Explain about typification.

(OR)

- (b) According to ICBN, when a binomials can be rejected.

10. (a) What are the principles of bio-systematics ?

(OR)

- (b) Describe Bentham and Hooker's system of classification.

11. (a) Describe the salient features of the family Cyperaceae.

(OR)

- (b) Compare the gynoeceum of the families Rubiaceae, Asteraceae and Solanaceae.

12. (a) Name any six drug yielding plants, mention the families and specific use.

(OR)

- (b) Describe the cultivation and use of any two common pulses.

13. (a) Give an account of aquatic ecosystem.

(OR)

- (b) Write an essay on hydrosere. **Turn over**