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PG/IIIS/BOT - 303/13

M.Sc. 3rd Semester Examination, 2013

BOTANY

(*Plant Ecology*)

PAPER— BOT - 303

Full Marks : 40

Time : 2 hours

**Answer Q. No. 1 and any three questions
from the rest**

The figures in the right-hand margin indicate marks

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

Illustrate the answers wherever necessary

1. Write short notes on any five of the following : 2×5

(i) World Environment Day

(ii) Deep ecology

(iii) IUCN

(Turn Over)

- (iv) Silent valley movement
- (v) Wild life sanctuary
- (vi) Global warming
- (vii) Environmental problems of India
- (viii) *Silent Spring*.

2. What is *Jhum* cycle ? Discuss the harmful effects of shifting cultivation on environment. 3 + 7
3. Define mangroves. Mention the Indian distribution of mangroves. Discuss the halophytic adaptation of mangroves. 2 + 3 + 5
4. Define Wetlands. Comment on the ecological values of wetlands. 3 + 7
5. What is Ozone depletion ? Write the factors leading to ozone hole formation. Discuss the harmful effects of ozone depletion on human health. 3 + 3 + 4

(3)

6. Comment on the following (any two) : 5 × 2

(i) Causes of biodiversity loss

(ii) Plant adaptation to waterlogging

(iii) Sacred Groves.
