M.Sc. Part-II Examination, 2012

BOTANY CONTROL OF THE PROPERTY OF THE PROPERTY

PAPER-IX

Full Marks: 80

Time: 4 hours

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

Write the answers Questions of each/Half in separate books

FIRSTHALF

bus simpnos [Marks: 50] business and a

Answer Q.No.1 and any two from the rest

- 1. Write short notes on any five of the following:
 - (i) Deep ecology;
 - (ii) Shifting cultivation;

- (iii) Ecotone;
- Climax concept;
- Bhopal disaster; (v)
- Eutrophication;
- (vii) Biogeochemical cycle; and
- (viii) National park.
- Define mangroves. Write five distinguishing characters of mangroves. Discuss briefly the roles of Sunderbans mangroves in biodiversity conservation. 3+5+7
- What is acid precipitation? Discuss the adverse effects of acid rain on forest and aquatic life. 3 + (6 + 6)
- Define Wetlands. Write the economic and ecological roles of wetlands. 3 + (6 + 6)
- What is ozone hole? Mention the factors leading to ozone hole formation. Discuss on the harmful effects of ozone depletion.

SECOND HALF

[Marks: 30]

Answer all questions

Write the difference between disease and symptom. Explain; how a fungal pathogen enters into the host tissues using enzymes, to cause a disease? 4+6

Or

Define quarantine. Write the structural defense which a host develops to resist the penetration of pathogen. 2 + 8

7. How the root rot of Sal(shorea robusta) occurs? Write the symptoms and control methods of the 3 + 7disease.

Or

How the spike disease of Sandal wood occur? Write the symptoms and the control methods of the disease. 3 + 7

DDE/II/BOT/IX/13-

8. Write short notes on any two of the following:

 5×2

- (i) Benefits of VAM;
- (ii) Mycorrhizae and disease control; and

discussion of the contract of the production of the contract o

only in about on formers that and there says the air ?

How the solar discussed basels wood cody "...

t 4 february for the second of the forenees benth

(iii) Occurrence of ectomycorrhizae in nature.