

2009

THIS NOTE

M.Sc.

3rd Semester Examination

BOTANY

PAPER—XV

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Write the answers to the questions of each Unit in separate books.

Answer all questions

1. Comment on the following (any five) :

1×5

- (a) Deep ecology ;
- (b) Silent Spring ;
- (c) Primary succession ;
- (d) Crypto-vivipary ;
- (e) Acid precipitation ;

(Turn Over)

- (f) Greenhouse gases :
- (g) Eutrophication and
- (h) Sacred grove.

2. Write notes on any *two* of the following : 1×5

- (a) Environmental Education ;
- (b) Xerophytes and
- (c) Climax concept.

3. Answer any *three* of the following :

- (a) Discuss shifting cultivation, comment on the debates on *Eucalyptus* plantation in India. 5+5
- (b) Define wetland. Discuss the role of wetlands as "Nature's Kidney". What is SAM photosynthesis? 3+5+2
- (c) What is ozone hole ? Enumerate the natural and man-made factors responsible for ozone hole formation. State Chapman Cycle. 3+5+2
- (d) Define biodiversity. Discuss the reasons for loss of biodiversity. Comment on the different categories of protected areas (PAs) found in India. 3+4+3
- (e) Write short notes any *two* on the following : 5+5
 - (i) Silent Valley movement ;
 - (ii) Environmental value of mangroves and
 - (iii) Food chain.