

2016

M.Sc.

3rd Semester Examination

BOTANY

PAPER—BOT-303

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.

Use separate answer scripts for each Units.

Answer Q. No. 1 and any three of the rest.

1. Comment on any five of the following : 5×2

(i) Deep ecology.

(ii) Chipko movement.

(Turn Over)

- (iii) Eucalyptus debate.
 - (iv) O₃ hole.
 - (v) Ramsar site.
 - (vi) Biosphere reserve.
 - (vii) Biodiversity hotspot.
 - (viii) Jhum cycle.
2. Define environmental pollution. Enumerate the various air pollutants. Briefly discuss the ecological note of eutrophication. 2+3+
3. Define greenhouse effect. Write three major greenhouse gases and their sources. Comment on the effects of rising CO₂ on crop plants and global warming. 2+4+(2+2)
4. What is acid rain? Differentiate between dry precipitation and wet precipitation. Write the harmful effects of acid rain on forest. 2+(2+2)+

5. Define biodiversity. Write the economic uses of biodiversity. Comment on invasive species that threaten biodiversity. 2+3+5
6. Define Succession. Mention the types of Succession. Discuss briefly on climax concept. 2+6+2
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