

CS/2051

PLANT ECOLOGY–XI

(Semester–VI)

Time : Three Hours]

[Maximum Marks : 40

Note : Attempt *two* questions each from Section A and B and the entire Section C, which is compulsory.

SECTION–A

- I. Detailed account Shelfords law of tolerance. (6×1=6)
- II. Discuss in detail :
 - (a) Ecotypes and ecads.
 - (b) Positive and negative interactions. (3×2=6)
- III. Give detailed account on ecological succession (Hydrosere). (6×1=6)
- IV. Give brief account on structure and concept of :
 - (a) Ecosystem.
 - (b) Ecological Pyramids. (3×2=6)

SECTION-B

- V. What is pollution? Give detailed account on water pollution. (6×1=6)
- VI. Write down the account for various phytogeographical regions of India. (6×1=6)
- VII. Give detailed account on ecological adaptations in xerophytes. (6×1=6)
- VIII. Draw biogeochemical cycle with particular reference to carbon. (6×1=6)

SECTION-C

- IX. Define :
- (a) Carrying capacity
 - (b) Interactions.
 - (c) Food chain.
 - (d) Ecological productivity.
 - (e) Ozone depletion.
 - (f) Global climate change.
 - (g) Biome.
 - (h) Hotspot. (8×2=16)
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