



DPA – 530 (Bot)

**M.Sc. (Previous) Degree Examination, July/August 2011
(Directorate of Distance Education)**

BOTANY

Paper – III : Plant Ecology and Plant Geography

Time : 3 Hours

Max. Marks : 75/85

*Note : 1) Attempt **all** questions.*

2) Repeaters shall answer questions from Sections A, B and C only (Marks 75).

SECTION – A

I. Answer **any SEVEN** of the following : **(7×3=21)**

- 1) Consumers
- 2) Energy flow
- 3) Origin of Cocoa
- 4) Ecological amplitude
- 5) Negative interaction
- 6) Ecosystem efficiency
- 7) Ecotypes
- 8) Precipitation
- 9) Decibel
- 10) Continental drift

SECTION – B

II. Answer **any THREE** of the following : **(3×8=24)**

- 11) Xerosere and Hydrosere
- 12) Macro and microclimate
- 13) Primary and secondary producers
- 14) Dispersal mechanism and plant distribution
- 15) Water pollution

P.T.O.



SECTION – C

III. Answer **any TWO** of the following :

(2×15=30)

- 16) Discuss in detail the ecological pyramids.
- 17) Write an account of Global Warming and its consequences.
- 18) Give an account on air pollution and its impact on human health.
- 19) Write the origin and distribution of Cardamomum and Coconut.

SECTION – D

(This Section shall be answered only by **freshers** having **85** marks as paper maximum, in addition to Sections **A**, **B** and **C**).

IV. Answer **any ONE** of the following :

(1×10=10)

- 20) Explain the concepts of ecological succession. Add a note on climax community.
 - 21) Give an account on nature, types and energy flow in Ecosystem.
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