



M 26458

Reg. No. : .....

Name : .....

**I Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)  
Examination, November 2014  
(2013 and Earlier Admn.)**

**BOTANY**

**Paper – B III : Plant Ecology, Conservation Biology, Phytogeography  
and Forest Botany**

Time : 3 Hours

Max. Marks : 70

**Instruction : Draw diagrams wherever necessary.**

I. Answer **any two** of the following :

(2×10=20)

- 1) What is succession ? Explain different stages of succession with suitable examples.
- 2) Explain the causes and consequences of global warming.
- 3) Write an account on the National Parks and bioresources of India.
- 4) Give an account on the characteristics of a population.

II. Answer **any one** of the following :

(1×10=10)

- 5) Give an account on the centers of origin of diversity of plants. Add a note on the methods of dispersal.
- 6) Write in detail on the forest based industries with special reference to Kerala.

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

(3×5=15)

- 7) Vegetation types of the world
- 8) Ecosystem restoration
- 9) Primary productivity and its measurements
- 10) Solid waste management
- 11) MAB.

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

(5×3=15)

- 12) Plant adaptations to stress
- 13) Sustainable development
- 14) Thermal pollution
- 15) Ozone depletion
- 16) Remote sensing
- 17) Gene bank
- 18) Protected areas
- 19) Minor forest produce.

V. Answer **any five** of the following :

(5×2=10)

- 20) El-Nino
- 21) Invasion
- 22) Mangroves
- 23) Carbon credit
- 24) Keystone species
- 25) Quadrat
- 26) Neoendemic
- 27) Red Data Book.