



K15P 0278

Reg. No. :

Name :

I Semester M.Sc. Degree (Reg./Sup./Imp.) Examination, November 2015
BOTANY
BOT1C04 : Environmental Science
Phytogeography and Forest Botany
(2014 Admn. Onwards)

Time: 3 Hours

Max. Marks : 60

Instruction : Draw diagrams wherever necessary.

SECTION – A

1. What is primary productivity ? Explain different methods of its measurement ?

OR

Explain the characteristics of a population.

2. Describe the significance of recycling, reuse and recovery.

OR

Write on the centres of origin and diversity of plants.

(2×8=16)

SECTION – B

Answer **any two** :

3. a) What is an Ecosystem ?

b) Explain its structure and function.

c) Add a note on energy flow.

(1+2+3)

4. a) What is sustainable development ?

b) Write briefly on sustainable indicators.

c) Describe the role of resources for sustainable life style.

(1+2+3)

P.T.O.

K15P 0278



5. a) What is endemism ?
- b) Explain endemism with reference to western ghats.
- c) Explain Endemic distribution.

(1+2+3)

(2×6=12)

SECTION – C

Answer **any six** :

6. How do you restore the degraded ecosystem ?
7. What are the parameters to assess the vegetation as a climate ?
8. Briefly explain species interaction.
9. Describe the effects of radiation on organisms in general.
10. How remote sensing could be used in forestry ?
11. Explain the causes of extinction of species.
12. Write briefly on the major terrestrial biomes.
13. Give an account of minor forest produce of Kerala.

(6×3=18)

SECTION – D

Answer **any seven** :

14. Mangroves.
15. IVI.
16. Interspecific competition.
17. El-Nino and La-Nina.
18. Bio-diversity Act (2002).
19. Biosphere reserves.
20. α and β diversity.
21. Vicarism.
22. Shola-grassland.
23. Dye industry.

(7×2=14)