



K19P 1476

Reg. No. :

Name :

I Semester M.Sc. Degree(CBSS - Reg./Suppl./Imp.)

Examination, October -2019

(2014 Admission onwards)

Botany

BOT 1C04 - Environmental Science, Phytogeography And Forest Botany

Time : 3 Hours

Max. Marks : 60

Instructions: Draw diagrams wherever necessary.

SECTION - A

Answer the Questions.

(2×8=16)

1. a) Discuss the various stages of Xerosere.

(OR)

- b) Give an account of ecological perturbations and their impact on ecosystems.

2. a) Discuss the various forest types of Kerala.

(OR)

- b) Write an essay on discontinuous distribution.

SECTION-B

Answer any two

(7×2=14)

3. a) What is ecosystem stability?
b) Describe ecotone and edge effect.
c) Point out ecosystem restoration methods. (1+2+3)
4. a) What is in situ and ex situ conservation?
b) Mention the objectives of Biosphere Reserve.
c) Explain cryopreservation. (1+2+3)

P.T.O.



5. a) What is an umbrella species?
b) Mention the 'hot spots' of India.
c) Define alpha, beta and gamma diversity. (1+2+3)

SECTION-C

Answer any **six**.

(6×3=18)

6. Discuss the control measures of noise pollution.
7. Explain carbon sequestration.
8. Explain population growth
9. Mention the causes of ozone depletion.
10. Explain species diversity measurements.
11. Mention major terrestrial biomes.
12. Explain carbon trading and its importance.
13. Write about gene bank and its significance.

SECTION-D

Answer any **seven**.

(7×2=14)

14. Red Data Book.
 15. IUCN.
 16. La - Nina.
 17. Prairies.
 18. Acid Rain.
 19. Symbiosis.
 20. Carbon sequestration.
 21. Natality.
 22. Sustainable development.
 23. Endemism.
-