



QP CODE: 24000915



Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

**CHOICE BASED CORE COURSE - BO6CBT02 - PLANT GENETIC RESOURCES
MANAGEMENT**

Common for B.Sc Botany Model I, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II
Environmental Monitoring And Management, B.Sc Botany Model II Horticulture and Nursery
Management, B.Sc Botany Model II Plant Biotechnology & B.Sc Botany and Biotechnology Model
III Double Main

2017 Admission Onwards

F5377E71

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. How alien invasive plant species threaten to genetic diversity?
2. Differentiate national parks from wildlife sanctuaries.
3. Comment on the role of botanic gardens. Give one example for botanic garden in India.
4. What is ethnobotany?
5. What are sacred groves?
6. Expand TBGRI. Where is it located?
7. Expand ICRISAT. Where is the headquarters located?
8. Write down the binomial and two uses of rice.
9. Name the families to which cow pea and bitter gourd belong.
10. Write down the binomial and useful part of black pepper.
11. Write the binomials of two underutilized fruits.
12. Name the edible part of Millet and Hog plum.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Give an account of the historical development of crop botany.
14. Comment on primary and secondary centers of origin of crop plants.
15. Explain the concept of endemism with examples.
16. Write a short essay on IUCN Redlist and different categories mentioned in it.
17. What is NBPGR? Explain the role of NBPGR in plant genetic resource management.
18. Mention how NGOs are actively participating in management and conservation of our natural resources.
19. Write a short account on cultivation of banana.
20. Explain the cultivation practices and uses of coconut.
21. Give an account on Sword bean and Winged bean.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Give an account of the importance of wild genetic resources in crop improvement.
23. Explain the principles, concepts and components of remote sensing.
24. Explain the cultivation of medicinal plants with special reference to vasaka and Aloe.
25. Write the scientific name, family and uses of any five underutilized vegetables of Kerala.

(2×15=30)

