



25020673

QP CODE: 25020673

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE
EXAMINATIONS, FEBRUARY 2025**

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

16CA5F50

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is germplasm collection?
2. Write the difference between primary and secondary centers of origin of crop plants.
3. What are the best practices adopted in long term seed storage?
4. Write the basic principle of remote sensing.
5. Expand NBPGR. Where is its headquarters located?
6. Expand IPGRI. Where is its headquarters located?
7. Expand MNHS. Where is it located?
8. Write down the binomial and family of vasaka.
9. Name the family to which mango belong. Which country has maximum genetic diversity of mango?
10. Write down the binomial and family of cardamom.
11. Write the botanical name and family of Nithya vazhuthana.
12. Write the botanical name and family of Indian barnyard millet.





(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Comment on alien invasive plants. How they threaten genetic resources?
14. How overexploitation of resources become harmful to genetic diversity?
15. What are the fundamental problems with effective conservation of genetic diversity?
16. Describe the scope and significance of ethnobotany.
17. Explain how do taboos become important in conserving nature and plant resources.
18. Comment on the activities of KFRI in conservation of our forest resources.
19. Describe briefly about two major food crops of Kerala.
20. Describe briefly the cultivation practices of cow pea.
21. Write a short note on any two underexploited fruits of Kerala.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Write an essay on endemism and biodiversity hotspots.
23. Explain the role and activities of IUCN in conservation of natural resources.
24. Briefly explain the taxonomy, uses and cultivation practices of any three plantation crops that you have studied.
25. Write an essay on under exploited plants commonly present in Kerala.

(2×15=30)

