E 5833 (Pages : 2) Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017

Sixth Semester

Choice Based Core Course – PLANT GENETIC RESOURCES MANAGEMENT

(Common for B.Sc. Botany – Model I and Model II)

[2013 Admission onwards]

Time : Three Hours Maximum Marks : 60

Part A

Answer **all** *questions.*

Each question carries 1 *mark.*

1. What are threatened plants?
2. What are biosphere reserves?
3. What is spawn?
4. Name the ICRISAT location in India.
5. Expand TBGRI.
6. What is IUCN?
7. What is red data book?
8. What are seed banks?

(8 × 1 = 8)

Part B

Answer any **six** *questions.*

Each question carries 2 *marks.*

9. What is the importance of wild relatives of crop plants?
10. Explain the principle of remote sensing.
11. What are sacred grooves?
12. What is meant by over exploitation of natural resources?
13. Mention the importance of tuber crops as a sources of food.
14. Name the biodiversity hot spots of India.
15. What is *in situ* conservation?
16. What are the primary centers of diversity?

17. What are endemic plants?

18. What is the role of rubber in Indian economy?

(6 × 2 = 12)

Part C

Answer any **four** *questions.*

Each question carries 4 *marks.*

19. Explain the propagation of Cardamom.

20. Write notes on the useful products obtained from Coconut.

21. Describe the scope and significance of ethnobotany.

22. Explain the cultivation of Oyster mushroom.

23. Mention the objectives of PGRI.

24. Give an account of the user of *Atrocarpus* sps. as a source of fruits.

(4 × 4 = 16)

Part D

Answer any **two** *questions.*

Each question carries **12** *marks.*

25. Explain Vavilov's centers of origin of crop plants.

26. Explain the importance of Genetic diversity in Crop Improvement.

27. Mention the contribution of NGOs in plant genetic resources management.

28. Explain the impact of human interference and deforestation on genetic resources.

(2 × 12 = 24)