

Reg. No.....

Name.....

**B A, B SC, B COM DEGREE END SEMESTER EXAMINATION - APRIL 2025****UGP (HONS.) SEMESTER - 2: DISCIPLINE SPECIFIC COURSE****COURSE: 24UBOTDSC102: PLANT RESOURCE MANAGEMENT***(For Regular 2024 Admission)*

Time: 1.5 Hours

Max. Marks - 50

**PART A****ANSWER IN ONE WORD, EACH QUESTION CARRIES 1 MARK.****(MAXIMUM OF 10 MARKS CAN BE SCORED)****(10X1=10)**

- |   |               |
|---|---------------|
| 1. Expand JNTBGRI.  | (U, CO1, CO5) |
| 2. Give any two examples of Greenhouse gases.                             | (U, CO1, CO4) |
| 3. Name a research institute focusing on conservation of tropical plants. | (U, CO1)      |
| 4. What is in-situ conservation?  | (U, CO2, CO4) |
| 5. Define entrepreneurship.   | (U, CO1, CO4) |
| 6. What is been patented by 'Jackfruit 365'?                              | (E, CO4)      |
| 7. Expand IPBS.   | (U, CO1, CO5) |
| 8. Write any two career paths where botanists can work.                   | (A, CO4, CO5) |
| 9. Why coir is called as The Golden Fibre?                                | (U, CO1, CO4) |
| 10. What is Henna?  | (U, CO1)      |
| 11. What do you mean by biofuel?  | (U, CO1, CO3) |
| 12. State any plant with aesthetic value. Give its scientific name too.   | (U, CO1, CO5) |

**PART B****ANSWER IN 30 WORDS, EACH QUESTION CARRIES 2 MARKS.****(MAXIMUM OF 20 MARKS CAN BE SCORED)****(10X2=20)**

- |   |               |
|---|---------------|
| 13. Explain synthetic biology. Give any one example of it.  | (U, CO1, CO5) |
| 14. Name a research institute regulates plant quarantine in India. Name its regional station in Kerala. | (U, CO1, CO4) |
| 15. Briefly explain the major reasons of Biodiversity loss.   | (U, CO1, CO2) |
| 16. Comment on major effects of climate change.   | (U, CO1, CO3) |
| 17. Explain the basic traits and skills for plant-based entrepreneurs.                                  | (E, CO4)      |
| 18. What do you know about the company 'Purple pod'?  | (E, CO1, CO4) |
| 19. Briefly explain any two problems within the plant science domain.                                   | (C, CO1, CO5) |
| 20. List any 4 recruitments at SSC through Plant science.   | (E, CO1, CO4) |
| 21. Explain the method of extraction of lemon grass oil.  | (U, CO1, CO5) |
| 22. What do you mean by Nutraceuticals?   | (U, CO1, CO5) |
| 23. Explain the uses of para rubber.  | (U, CO1, CO3) |
| 24. Give an account on the nutritional benefits of Cassava.   | (U, CO1, CO4) |

**PART C****ANSWER IN 75 WORDS, EACH QUESTION CARRIES 5 MARKS.****(MAXIMUM OF 20 MARKS CAN BE SCORED)****(5X4=20)**

25. Write a short note on Bt cotton. (U, CO2, CO3)
26. Comment on any three crop research institutes where botany is regarded as the thrust area. (U, CO3, CO5)
27. Explain any 5 significance of plant science. (E, CO2, CO4)
28. What are the government opportunities provided by SSC for plant science graduates. (U, CO4, CO5)
29. Give an account on the useful part and commercial aspects of coir. (U, CO1, CO5)
30. Explain the benefits of cucumber and rose as cleansers. (U, CO1, CO5)