



K24P 3085

Reg. No. :

Name :

III Semester M.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular)
Examination, October 2024
(2023 Admission)
BOTANY
Open Elective Course
MSBOT03002 : Basic Agricultural Practices

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** questions. **Each** question carries **3** marks.

1. Classify and describe the weeds on the basis of their life cycle.
2. What is Precision farming ? Enlist the advantages.
3. Explain the methods of seed extraction from cereal crops.
4. Which Ministry governs the organic farming certification process and how ?
5. What is a crop ideotype ? Characterize the ideotype for Rice.
6. Define and describe the cultivation practices adopted for multiple cropping system. **(5×3=15)**

PART – B

Answer **any three** questions. **Each** question carries **6** marks.

7. Assess the relevance of sustainable agriculture in the modern world. Elaborate on some such practices.
8. Design strategies to enable the farmers of your locality to optimize manure and fertilizer use for yield enhancement in vegetable farming.
9. Evaluate the possible approaches to avoid over exploitation of water resources in farming.
10. What is weed management ? Prescribe control measures to prevent excessive weed growth in unoccupied fields.
11. Compare the traditional and modern farming systems. Evaluate the merits and demerits of both systems. **(3×6=18)**

P.T.O.



PART – C

Answer **any three** questions. **Each** question carries **9** marks.

12. What are next-generation pesticides ? Demonstrate their utility in eliminating weeds, microbes and pests in comparison to conventional pesticides.
13. What is post-harvest technology ? Analyze the sequential steps that may be adopted in post-harvest management of any organic produce.
14. Investigate the importance of natural resources to man. Add a note on natural resource management in sustainable agriculture.
15. Categorize the natural hazards likely to affect crop cultivation. Discuss strategies that may help farmers overcome these challenges.
16. Give a report on the history of organic farming practices adopted in India. Add short descriptions on the different techniques of organic farming. **(3×9=27)**

