



**M.Sc. IV Semester Degree Examination, October - 2023**

**BOTANY**

**Weed Biology and Ecology**

**(NEP)**

Time : 3 Hours

Maximum Marks : 70

**Note :** (i) Question number 1 is **Compulsory**.

(ii) Answer **any five**.

1. What is seed science ? Write its role on studying weed community structure. **14**
2. Write about the effects of reproductive traits on weed growth and spread. **14**
3. Discuss in detail mechanism new weeds survive in cultivated soil. **14**
4. Write a note on physical and cultural method of weed management. **14**
5. Discuss in detail the most common conventional and non-conventional weed control strategies from a sustainability perspective. **14**
6. (a) Write an account on noxious and exotic weeds. **5**  
(b) Explain about the best practices for weed management in agriculture. **5**  
(c) Write about the benefits of using over crops for weed management. **4**
7. (a) Explain detail account on types of weed management with examples. **7**  
(b) Discuss to justify weeds as indicators of soil nutrients. **7**
8. (a) Give brief note on the harmful effects of weeds. **5**  
(b) Describe the defense mechanism of weeds against herbivores. **5**  
(c) Write a note on application of weeds. **4**

