PD-384-S.E.-CV-19

M.Sc. BOTANY (3rd Semester)

Examination, Dec.-2020

Paper-IV (B)

WEED BIOLOGY-I

Time : Three Hours] **[Maximum Marks : 80**

[Minimum Pass Marks : 29

Note : Answer from both the Sections as directed. The figures in the right-hand margin indicate marks.

Section-A

1. **Answer the following very short note type questions:-** 1x10=10
   (a) Who gave the World wide distribution of weeds in a tabular form?
   (b) What is generally known as carrot grass?
   (c) Where the directorate of Weed Research (in India) is situated.
   (d) Give the common names, families and botanical names of 2 aquatic Weeds.
   (e) Who gave the concept of 'r' and 'k' selection?
   (f) Give names of the 2 workers related to Weed science research.
   (g) Who developed the concept of 'c' 's' and 'R' selection?
   (h) Name two most harmful Weeds of paddy with their scientific names and families to which they belong?
   (i) Who is credited with the concept of Alleopathy?
   (j) What are the major reproductive methods in Weeds? Name them.
2. **Answer the following questions in brief:-** 2x5=10
   (a) Comment upon the basis of classification of Weeds.
   (b) Enumerate the traits of 'K' selection.
   (c) Comment upon "Dispersal of Weeds by seeds".
   (d) Define Weed competion.
   (e) What is Alleopathy. Explain in short.

Section-B

15x4=60

Attempt all questions.

3. What are Weeds? Describe the ideal characteristics of Weeds and importance.

   OR

   Give the classification of Weeds in detail.
   (a) Importance of plant pathology (b) Development of plant pathology
4. What do you know about strategies of resource allocation? Give the traits of 'r' and 'k' selection.

   OR

   Explain how Weeds are strategists. Describe the traits of 'C', 'S' and 'R' selections.
5. Describe in detail the methods of propagation in Weeds.

   OR

   Comment upon the following:-
   (a) Water lettuce (b) Burmuda Grass (c) Sawan (d) Kudela (e) Water Hyacinth

UNIT-IV

6. What is Competion? Describe the methods of studying competition in detail.

   OR

   Write an essay on Alleopathy.

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