MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: V (New)	Term	: First	Academic Year	: 2022-23
Course No.	: ELE-AGRO 3510	Title	: Weed Management		
Credits	: 3(2+1)				
Day & Date	: Thursday, 09.02.2023	Time	: 14:00 to 17:00 hrs.	Total Marks	: 80

Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
2. All questions from SECTION 'B' are compulsory.
3. All questions carry equal marks.
4. Draw neat diagram wherever necessary.

SECTION 'A'

Q.1 Describe the modes of action (mechanism) of herbicides.

Q.2 Classify the herbicides on the basis of selectivity and mode of action.

Q.3 Enlist various factors affecting selectivity.

Q.4 State registered and approved Bio-herbicides available in the world.

Q.5 Enumerate the characteristics of weeds.

Q.6 Classify the weeds on the basis of Family and Ontogeny.

Q.7 Illustrate the harmful effects of weeds.

Q.8 Enlist usefulness of adjuvant in herbicides.

Q.9 Give the important strategies for herbicides resistance management.

Q.10 What are the applications of allelopathy in weed management?

SECTION 'B'

Q.11 Define the following terms:

1) Shifting of weed flora
2) Biennial weeds
3) Active ingredient
4) Formulation of herbicides
5) Board spectrum herbicides
6) Objectionable weeds
7) Eradication
8) Critical period for crop weed competition

Q.12 Fill in the blanks:

1) Dredging and chaining is most effective treatment for controlling _____weeds.
2) The *Striga asiatica* is an example of _____ parasitic weed.
3) A weed poisonous to animals and human beings is _____.
4) *Phalaris minor* has developed resistance to _____ herbicide in Punjab and Haryana in wheat.
5) The weed seed which is used as flavour material in BRU coffee powder, is _____.
6) Many times, wind shakes weed strong enough to split their mature fruits and the seed goes away from mother plants, is called as _____.
7) Deficiency of phosphorous nutrient in the crop field is marked by _____weed.
8) National Research Centre for Weed Science (NRCWS) is located at _____.

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