

2025

M.Sc. in Agriculture
1st Semester Examination

AGRONOMY

Paper : AGRON-503

[Principles and Practices of Weed Management]

Full Marks : 70

Time : Two Hours

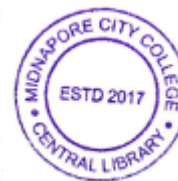
*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : 2×5=10

1. Define weed.
2. Write the difference between weed control and weed management.
3. Write the botanical names of two dicot and two monocot weeds.
4. What is critical crop-weed competition period (CCWCP)?
5. What is allelopathy? Give one example of allelochemical.

P.T.O.



(2)

- 6. Give two examples of pre-emergence herbicides.
- 7. What do you mean by antidote?
- 8. Define selective herbicides with an example.

Group - B

Answer any *four* questions : 5×4=20

- 9. Classify weeds according to ontogeny with suitable example.
- 10. Explain two above-ground and two below-ground competition factors.
- 11. Write any five factors influencing crop-weed competition.
- 12. What is an invasive weed? Give suitable examples.
- 13. Classify parasitic weeds with suitable examples.
- 14. Discuss on different kinds dormancy of weed seeds.

Group - C

Answer any *two* questions : 10×2=20

- 15. Define herbicide. Discuss the history of organic and inorganic herbicide development. What is auto-toxicity?
2+6+2
- 16. Differentiate between contact and translocated herbicides. Classify herbicides based on their time of application.
5+5



(3)

- 17. Name any five groups of herbicides citing examples. Discuss their mode of action. 6+4
- 18. Write down the principles of weed control. Discuss about the cultural practices for control measures of weed seeds in field crops.

Internal Assessment : 20 marks

