



COLLEGE OF AGRICULTURE, FISHRIES AND FORESTRY

SCHOOL OF AGRICULTURE & FORESTRY

DEPARTMENT OF CROP SCIENCE

BACHELOR OF SCIENCE IN AGRICULTURE YEAR 3

AGO 703: Weed Management

Trimester- 2, 2019 Final Examination

DURATION: 3 HOURS

INSTRUCTIONS TO STUDENTS

1. This paper consists for 3 pages. Please check to see that your paper is complete.
2. You are allowed 10 minutes extra reading time in which you are not permitted to write.
3. Printed or written material is not allowed in examination hall.
4. Answer all the questions in the answer booklet. Number your answers correctly in the answer booklet.
5. Attach all the sheets used as your answer paper in their correct sequence and secure with a string.
6. Use both sides of the answer sheet and write your candidate number on each sheet.

SECTION	PARTICULARS	TOTAL MARKS
A	Short answer questions	40
B	Long answer questions	60
	Total	100

SECTION-A
SHORT ANSWERS QUESTIONS

There are two parts of the section.

Part 1. Answer any FIVE (5) of following.

(5×4= 20 Marks)

1. Provide a brief on important weed prevention practices.
2. Provide a brief note on the nomenclature of herbicides.
3. Apply advantages of chemical method of weed control over other methods of weed control.
4. Provide classification of herbicides on the basis of their selectivity.
5. Analyse advantages of biological weed management over chemical weed management.
6. Apply the importance of soil solarization in weed management.
7. Weeds are also classified on the basis of morphology. Analyse the statement in brief.

Part 2. Provide difference on any Five (5) of the following.

(5×4= 20 Marks)

- a. Selective and Non-Selective Herbicides
- b. Indigenous weeds and exotic weeds
- c. Weed biology and weed ecology
- d. Residual and non-residual herbicides
- e. Pre-emergence and post emergence herbicide application
- f. Contact and translocated herbicides
- g. Prevention and eradication of weeds
- h. Trade name and chemical name of the herbicides
- i. Mulching and soil solarisation
- j. Stale seedbed and summer ploughing

SECTION-B

LONG ANSWER QUESTIONS

Answer any Five (5) questions of the following.

(5x12=60 Marks)

Each question carries 12 marks.

1. Methods of crop planting reduces crop weed competition in the field. Provide an essay on methods of planting of crops which can be used as a weed management tool.
2. To develop appropriate weed control, characteristic features of weeds have to be known. Analyse the statement in detail.
3. What is chemical weed management? Analyse its advantages and disadvantages over other methods of weed management.
4. What is crop-weed competition? Apply principles of crop weed competition in weed management.
5. Persistence of weeds results from their multi facet mechanisms. Carryout detail analysis of the statement.
6. Using the importance of cultural practices at organic farms, provide an essay on weed management in organic farms.
7. What is critical period for crop weed competition? Provide a list of factors affecting critical period for crop weed competition and discuss any four in detail.

THE END