

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE (GENERAL DEGREE) LEVEL III (SEMESTER I)
EXAMINATION –July 2023

SUBJECT: BOTANY

COURSE UNIT: BOT3191: Weed Biology

Time: **one hour**

Question No	Marks
Q ₁	
Q ₂	
Q ₃	
Total	

Answer **two (02)** questions only including question No. 1

1.

- a) Define a “weed” with regards to its agricultural importance.
- b) Name **two (02)** aquatic weeds and **three (03)** terrestrial weeds belonging to different families with their botanical names and vernacular names
- c) What are the special characters shown by Invasive alien weed species for their success over the native species?
- d) Mention **four (04)** agents which help for dispersal of weed seeds giving an example for each.
- e) Mention **four (04)** different impacts of weeds on agricultural activities.
- f) What do you mean by allelopathy? How it differs from competition?

2. Briefly explain the followings;

- a) Preventive methods of weed control
- b) The role of soil weed seed bank for weed control

3.

- a) You have found a natural enemy for a weed in your area. How do you conclude whether it is suitable bio control agent for that weed?
- b) Distinguish between a bio control agent and a bio-herbicide.
- c) Give a concise classification based on mode of action, target site and mobility of herbicides with examples.