

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE (GENERAL DEGREE) LEVEL III (SEMESTER I)**  
**EXAMINATION –NOVEMBER 2021**

SUBJECT: BOTANY

COURSE UNIT: BOT3191: Weed Biology

Time: **one hour**

Question No	Marks
Q <sub>1</sub>	
Q <sub>2</sub>	
Q <sub>3</sub>	
Total	

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

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1.

- a) List **five (5)** major characteristics of weeds.
- b) Name two **(02)** aquatic weeds and **three (03)** terrestrial weeds belonging to different families with their botanical names and vernacular names.
- c) Mention **four (04)** agents which help for dispersal of weed seeds.
- d) List **five (05)** uses of weeds.
- e) What are alien invasive species? Name **three (03)** common alien invasive weed species found in Sri Lanka.
- f) Distinguish between a selective herbicide and a non-selective herbicide. Give an example for each.

2. Briefly explain the following;

- a) Weeds as an alternative host.
- b) Precautionary measures to be followed in handling herbicides.

3.

- a) What are the requirements to be a good bio control agent for weed control?
- b) Distinguish between a bio control agent and a bio-herbicide.
- c) Discuss briefly the importance of soil weed seed bank for weed control.