



K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Rollno.....

End Semester Examination, December 2024
B.Sc. (Hons.) Agriculture – I Semester
Fundamentals of Agronomy (ASAG115)

Time: 2.5 hrs.

Max Marks: **50**

Note: ***All Questions are compulsory.** Marks are indicated against each question.*

PART-A

Q.1 Attempt any 5 Questions

- | | |
|--|-----------------------|
| (a) What is agronomy? | [CO-1] [L-1] |
| 2 (b) What is the primary goal of agronomy? | [CO-1] [L-1] 2 |
| (c) Explain what is Seed ? | [CO-1] [L-2] 2 |
| (d) What is organic farming? | [CO-1] [L-1] 2 |
| (e) What does the term 'tillage' refer to in farming? | [CO-1] [L-1] 2 |
| (f) What is a cover crop? | [CO-1] [L-1] 2 |
| (g) What is the difference between Soil fertility and Soil Productivity? | [CO-1] [L-1] 2 |

2x5

PART-B

- Q.2** What are the primary goals of Agronomy in modern agriculture? [CO-2] [L-1] **10**

OR

Explain the different tillage practices and their impact on soil structure and crop yield. [CO-2] [L-2]
10

- Q.3** What is the role of organic farming in agronomy, and what are its challenges and benefits? [CO-3] [L-1] **10**

OR

Discuss the use of green manuring in maintaining soil health. [CO-3] [L-5] **10**

- Q.4** How does tillage affect soil health and crop productivity? [CO-4] [L-2] **10**

OR

Explain the Integrated Farming System in detail. [CO- 4] [L-2] **10**

- Q.5** What is soil organic matter, and why is it important for soil fertility? [CO-5] [L-1] **10**

OR

What are the major climatic factors that affect crop growth? [CO- 5] [L-1] **10**