



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2017 admission
IV Semester Final Examination-August-2019

Ssac.2205

Principles of Organic Farming (1+1)

Marks: 50
Time: 2 hours

I Name the following (10x1=10)

- 1 Father of organic farming.
- 2 A green manure crop.
- 3 A bio herbicide.
- 4 A nitrogen fixing bacteria.
- 5 A fertilizer allowed in organic farming.
- 6 Bio control agent used for disease management.
- 7 Conversion period required for organic vegetable production.
- 8 The mushroom used for coir pith composting.
- 9 K mobilizing biofertilizer.
- 10 Bio control agent used for pest control.

II Write Short notes on any FIVE of the following (5x2=10)

- 1 Denitrification.
- 2 Bio fertilizers.
- 3 Liquid bio manures.
- 4 Mycorrhiza.
- 5 Azolla.
- 6 Bulky and concentrated organic manures.
- 7 Organic certification.

III Answer any FIVE of the following (5x4=20)

- 1 What are measures to be adapted for organic pest management?
- 2 Advantages of green manuring.
- 3 PGPR.
- 4 Importance of soil organic matter and factors affecting SOM decomposition in the soil.
- 5 Criteria for the selection of a green manure crop.
- 6 Multiple / inter cropping in relation to soil productivity.
- 7 Rapid composting methods.

IV Write an essay on any one of the following (1x10=10)

- 1 How weeds can be managed / controlled under an organic farming system?
- 2 What are the primary challenges in organic crop production and measures to be followed to meet these primary challenges?
