



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2016 Admission
III Semester Final Examination-February-2018

Ssac.2105

Principles of Organic Farming (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks:

(10x1=10)

- 1 The word organic farming was coined by -----
- 2 Give an example of an aerobic method of composting
- 3 Name a stem nodulating green manure crop-----
- 4 Give examples of a very slowly decomposed organic material
- 5 Bacteria involved in Nitrification

State True or False

- 6 Most of the microbes grow best at pH 6-8
- 7 Nitrification is an anaerobic process
- 8 Green revolution had a conservation effect
- 9 Fine textured soils are generally higher in OM than coarse textured soil
- 10 Water logging and high pH will decrease Denitrification process

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Organic farming
- 2 Biofertiliser
- 3 Liquid organic manures
- 4 Phosphorus cycle
- 5 Denitrification
- 6 Green manuring
- 7 Organic certification

III Answer any FIVE of the following.

(5x4=20)

- 1 Reasons of non adoption of organic farming on large scale
- 2 Role of organic matter in soil
- 3 What are the measures to be adapted for organic weed management
- 4 Advantages of green manuring
- 5 Advantages of organic farming
- 6 Organic pest management practices
- 7 Soil fertility management in organic farming

IV Write an essay on any one of the following

(1x10=10)

- 1 What are the different types of biofertilizers and its important features? Discuss the precautions to be taken for the application of biofertilizers.
- 2 What is composting, factors affecting composting. Explain the procedure of any of the composting methods.
