



KERALA AGRICULTURAL UNIVERSITY
B. Sc. (Hons.) Ag. 2015 Admission
VI Semester Final Examination- July -2018

Agro.3209

Sustainable agriculture and Organic farming (1+1)

Marks: 50
Time: 2 hours
(10x1=10)

I Fill in the blanks:

1. A pheromone trap is a type of insect trap that usesto lure insects
- 2 Example for phosphorus solubilizing bacteria and mobilizing fungi
- 3 Standards and procedure for the global certification of GAP is
- 4 Vermiwash is a collection of excretory products and mucus secretion of

State True or False

- 5 Application of green manures increases the nutrient availability status of soil
- 6 Summer ploughing helps to manage weeds and insects

Match the following

- | A | B |
|----------------------------|-------------------------|
| 7 Green manure | a Non toxic |
| 8 Biorational pesticide | b LEISA |
| 9 Biodynamic agriculture | c Sun hemp |
| 10 Sustainable agriculture | d Rudolf Lorenz Steiner |

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Give four examples for biological control of weeds
- 2 What is NSOP? List out the steps involved in organic production of crops and discuss any one.
- 3 What is sustainable agriculture?
- 4 List out four organic certification agencies
- 5 Explain the status of organic farming in India
- 6 Give any four ITK practices
- 7 Write a short note on high external input agriculture

III Answer ANY FIVE of the following

(5x4=20)

- 1 Write a note on biological control of pest and diseases with example
- 2 Detail on animal production practices under organic farming
- 3 Explain NPOP
- 4 Intercropping improves the soil fertility status. Substantiate
- 5 Write a note on various water conservation measures
- 6 Discuss the various methods for effective utilization of crop residues
- 7 What is LEISA? Explain its basic principles

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Write the concepts and principles of Good Agricultural Practices
- 2
 - a What is Organic farming?
 - b Give detailed note on concepts and principles involved in organic farming
 - c Write an essay on weed and nutrient management in organic agriculture
