

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission

IIIrd Semester Final Examination- January /February -2013

Cat. No: Ssac.2103

Marks: 80

Title: Organic Farming and soil Health (1+1)

Time: 3 hours

I Fill up the blanks /State True or False

(10 x 1=10)

1. Acharya Vinoba Bhave experiment on Rishi Krishi is at _____ Ashram.
2. Organic movement in India owes its origin from the work of _____
3. In India: APEDA works under the ministry of _____
4. National Institute of organic farming is situated at _____
5. _____ may be used as a source of P in organic farming.
6. In India the estimated area under organic farming is _____ percent of total cultivated area.
7. The enzyme which acts upon urea when applied to soil is _____
8. The process of conversion of inorganic sulphur to organic sulphur is known as _____
9. The microorganism which mobilizes P and Zn from soil to the root is _____
10. _____ worm is used for the preparation of vermicompost.

II Write Short notes on ANY TEN

(10 x 3=30)

1. Soil Quality.
2. Phytoremediation.
3. Blood meal.
4. C/N ratio.
5. Bangalore method of composting.
6. Phosphatic biofertilizer.
7. Organic weed management.
8. Non edible oil cakes.
9. Integrated Farming System.
10. Microflora.
11. Soil enzyme.
12. Vermicompost.

III Write short essays on ANY SIX of the following

(6 x 5 =30)

1. NPOP regulations for organic production.
2. What are different sources of nutrients which are used in organic farming.
3. What are concentrated organic manures? Explain the methods of application of these manures?
4. What are the desired qualities of green manure crops? Explain the types of green manuring practiced in India.
5. Write down the role of biofertilizers in organic farming?
6. Give the figure of N₂ cycle and describe various mechanisms involved in this cycle.
7. Write briefly about assessment of soil fertility using Soil Health Card.
8. What are different agronomic practices that influence population and activity of microorganism.

IV Write essay on ANY ONE

(1 x 10=10)

1. Define organic farming. Describe basic principles of organic farming and list the limitations of organic farming in our country.
2. Explain about integrated nutrient management and nutrient supply system.
