

KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2009 admission

VIth Semester Final Examination, June /July 2012

Cat. No: Agro.3209

Marks: 80

Title: Sustainable Agriculture and Organic Farming (1+1)

Time: 3hours

I. Fill up the blanks

(10 x 1 = 10)

1. Organic certification agency certifies the whole ----- of the farm.
2. IFOAM denotes -----
3. Theoretical minimum period required for conversion from inorganic cultivation to organic is ----- years
4. LEISA denotes -----
5. The C : N ratio of major soils of India is -----
6. ----- is the logo for organically certified produce in India.
7. ----- is the commercial myco-herbicide produced using *Phytophthora palmivora* against strangler vine.
8. ----- is a flower crop used to trap pests.
9. Homa farming is a form of ----- agricultural systems.
10. ----- is the most common bio-control agent used for seed treatment.

II. Write short answers on ANY TEN of the following

(10 x 3 = 30)

1. Vermicomposting
2. ITK
3. Concerns in pesticide usage
4. Permaculture
5. Organic certification agencies of India
6. Manure handling techniques
7. NPOP
8. Supplemental fertilization in organic cultivation
9. Natural farming
10. Bio rational pesticides
11. Cover crops
12. Biological control of crop diseases

III. Write short essays on ANY SIX of the following

(6 x 5 = 30)

1. Principles of organic farming
2. Operational mechanism of National Standards for Organic Products
3. Conventional Vs Sustainable agriculture
4. Status and initiatives of organic farming in India and Kerala
5. Good Agricultural Practices (GAP) certification
6. Biological pest control
7. Strategies for realizing sustainable agriculture
8. Ecological principles and practices of LEISA

IV. Write essays on ANY ONE

(1 x 10 = 10)

1. Emerging issues and concept themes on sustainable agriculture.
2. Problems and prospects of organic farming in India with special emphasis to Kerala.