



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Agriculture 2014 & Previous Admissions
VI Semester Final Examination-August-2017

Agro. 3209

Sustainable Agriculture and Organic farming(1+1)

Marks: 50
Time: 2 hours

I Match the following:

(10 x 1=10)

- | | | |
|---|-------------------------|-----------------------------------|
| 1 | Biological control | (a) Natural resource conservation |
| 2 | Pheromones | (b) Pest management |
| 3 | Certification | (c) Organic farming |
| 4 | Sustainable agriculture | (d) APEDA |
| 5 | Nil agro-chemical usage | (e) Repellants |

State True or False:

- 6 Indigenous technical knowledge is synthesized out of scientific research.
- 7 Natural resource management is a part of sustainable resource management.
- 8 Minimal use of fertilizers is permitted in certified organic farming.
- 9 Organic farming promotes carbon sequestration.
- 10 Sustainable agriculture aims to satisfy changing human needs.

II Write short notes on any FIVE:

(5 x 2=10)

- 1 Impacts of green revolution.
- 2 APEDA
- 3 Homa farming.
- 4 Composting.
- 5 Green manures.
- 6 Crop residue management.
- 7 Insect traps.

III Answer any FIVE:

(5 x 4=20)

- 1 Marketing and export potential of organically grown produces.
- 2 Biodynamic farming and its limitations.
- 3 Weed management in organic farming.
- 4 Measures to maintain soil productivity.
- 5 Factors affecting ecological balance and measures to ameliorate.
- 6 LEIA Vs HEIA.
- 7 Organic certification.

IV Write essay on any ONE:

(1 x 10=10)

- 1 Opportunities, constraints and implications in adoption of organic farming in India and Kerala.
- 2 ITK and farmer centered techniques and practices adopted for water conservation in sustainable agriculture.
