



KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Ag.

Re-examination- July -2019
2015 and previous admission

Agro.3209

Sustainable Agriculture and Organic farming (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

- 1 is a trap crop for controlling *Striga* sp.
- 2 is an aggregation pheromone used against rhinoceros beetle in plantations.
- 3 NSOP denotes.....
- 4 A conversion period of about years is required to convert a conventional farm into an organic farm.
- 5 is a traditional rice variety grown by farmers for its medicinal properties.
- 6 is a widely used biocontrol agent against plant pathogens.
- 7 Biodynamics owes its origin to the spiritual insights and perceptions of.....

State True or False

- 8 Azospirillum is recommended both for upland and wetland condition.
- 9 Lime and rock phosphate are allowed as supplemental fertilizers in organic farming.

Define

- 10 Carrying capacity

II Write short notes on ANY FIVE of the following

(5x2=10)

- 1 Biological control of weeds.
- 2 Trap crops.
- 3 Organic certification.
- 4 Cover crops vs. green manure crops.
- 5 Improved manure handling techniques.
- 6 Sustainability index.
- 7 Crop residue management.

III Answer ANY FIVE of the following

(5x4=20)

- 1 Good agricultural practices.
- 2 Non- chemical methods of pest management.
- 3 ITK.
- 4 Socio - economic impact of organic farming.
- 5 Factors affecting ecological balance.
- 6 Biorational pesticides.
- 7 Marketing and export potential of organic farming products in India.

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Tools and practices of organic farming.
- 2 Concept themes of sustainable agriculture and importance of natural resource management for sustainability in agriculture.
