



Ssac.2103

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag.
2015 & Previous Admission
III Semester Re-examination-March-2018
Organic Farming and Soil Health (1+1)

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

I Fill in the blanks

- 1is the optimum C:N ratio for composting
- 2is a chemical preservative to conserve farmyard manure
- 3is a biological agent suitable for coir pith composting
- 4is an example for edible oil cake
- 5is regarded as the Father of Organic Farming in India
- 6is the enzyme involved in biological N fixation
- 7is an example for microbial pesticide
- 8 is an Accreditation Agency for Organic Certification
- 9 is an oil cake having insecticidal property
- 10is the heavy metal present in rock phosphate

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Components on Organic Farming
- 2 Harmful effects of non judicious use of chemical fertilizers
- 3 C:N ratio
- 4 Quality parameters of Organic manures
- 5 Application techniques of bio fertilizers
- 6 Phytoremediation
- 7 Soil Health Card

III Answer any FIVE of the following.

(5x4=20)

- 1 Coir pith composting
- 2 Organic certification and various Accreditation Agencies
- 3 Concentrated Organic Manures
- 4 Composting and various factors influencing composting processes
- 5 Enriched manure production technologies to enhance NPK content
- 6 Bio remediation and it's role in Organic Farming
- 7 Role of earthworms in soil fertility

IV Write an essay on any ONE of the following

(1x10=10)

- 1 NPOP guidelines on Organic Farming
- 2 Essential characteristics and advantages of Organic Farming
