

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2013 Admission

IVth Semester Final Examination- July/August-2015

Cat. No: Ssac.2204

Marks: 50

Title: Fertilizers and Agro Chemicals (1+1)

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. The central fertilizer Quality Control and Training Institute is at _____
2. The procedure which determines all types of moisture in a fertilizer _____
3. Basic slag is obtained as a by product from _____ industry
4. _____ is a systemic fungicide of low water solubility applied to soil
5. The copper content of fungicide can be estimated by _____ type of titration
6. The stability of a phosphate rock is mainly due to its _____ content
7. The Fertilizer (Control) order came into force in India in _____
8. The amendment used to reclaim alkali soil _____
9. A potassic fertilizer recommended for potato is _____
10. Chemical name of fytolan is _____

II Write short notes on any FIVE

(5 x 2=10)

1. Complex fertilizers
2. Fate of ammonium sulphate fertilizer in soil
3. Balance fertilization
4. Neem based botanical pesticides
5. Classification of fertilizers based on residual action in soil
6. Fertilizer fillers
7. Coated urea fertilizers

III Write short notes on any FIVE

(5 x 4=20)

1. Intercompatibility of fertilizers
2. Industrial by products as sources of plant nutrients
3. Methods for increasing the use efficiency of fertilizers
4. Common liming materials and factors influencing their quality
5. The fertilizer (control) order and its implications
6. Integrated nutrient management
7. Secondary nutrient fertilizers

(1 x10=10)

IV Write essay on ANY ONE

1. List out the important cool season vegetables grown in the country .Explain the methods of seed production in cole crops
2. What is protected cultivation? Give an account of different types of protected structures in vegetable cultivation

(5 x 2=10)

(5 x 2=10)