

KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2009 admission

VIth Semester Final Examination, June /July 2012

Cat. No: Pbg.3205

Title: Principles of Seed Technology (1+1)

Marks: 80

Time: 3hours

1. Fill in the blanks (Question Number 1 to 10) (10 x 1=10)

1. The tags of certified seeds is ofcolor
2. The Indian Seed Act aims at regulating the quality of seeds through and
3. Central Seed Testing Laboratory is located at.....
4. National Seed Corporation (NSC) was established in the year
5. Maximum permissible moisture content for foundation seeds of rice is...%
6. Minimum isolation distance for foundation and certified seeds are and respectively in hybrid maize.
7.is the removal of plants of the same crop species, which are off type of the variety under consideration.
8. The weight of working sample is usually.....g.
9. Removal of tassel of the maize crop before it has shed the pollen is known as.....
10. Impurity percentage of seed sample is also referred to as

2. Write short notes on ANY TEN (Question Number 1 to 12) (10 x 3=30)

1. Physical and Genetic purity
2. Deterioration of crop varieties
3. Tetrazolium method
4. NSC
5. Real value of seeds
6. Isolation distance
7. Field Inspection
8. Basic Seeds
9. Seed Control Order 1983
10. Plant Breeders Rights
11. WTO
12. Germination Test

3. Write short essays on ANY SIX of the following (Question Number 1 to 8)(6 x 5=30)

1. Briefly explain Intellectual Property Rights
2. Describe seed treatment and its importance
3. Briefly describe the functions of State Seed Certification Agencies (SSCAs)
4. Differentiate Breeders Seeds and Certified Seeds
5. Explain Heated Air Seed Drying and types of air distribution systems for seed drying
6. Briefly describe Farmers Right and Farmers Privilege
7. Write short note on seed marketing
8. Describe seed processing briefly

4. Write essay on ANY ONE of the following (Question Number 1 to 2) (1 x 10=10)

1. Describe briefly the procedure for the production of foundation seed and certified seeds in rice (varieties and hybrids) and maize
2. Explain briefly the procedure for the production of foundation seed and certified seeds of important vegetable crops of Kerala