



KERALA AGRICULTURAL UNIVERSITY
B. Sc. (Hons.) Ag. 2015 Admission
VI Semester Final Examination- July -2018

Pbgn.3205

Principles of Seed Technology (1+1)

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

I

Fill in the blanks:

- 1 Genetic purity of the variety refers to
- 2 In hybrid seed production plot presence of B line in A line is known as
- 3 Certified seed is the progeny of
- 4 The breeder seed production is monitored by
- 5 The method of seed production followed for hybrid seed production of bhendi is

Choose the correct answer

- 6 The person responsible for quality control in the seed market channel is
a Seed Certification Officer b Seed Inspector
c Seed Analyst d Seed producer
- 7 The genetic purity of the breeder seed is
a 100% b 99% c 98% d 97%
- 8 The plant shows morphological variation in seed field
a Off type b Other crop plant c Diseased plant d Weed plant
- 9 The seeds used by the farmer for seed production
a Foundation seed b Nucleus seed c Breeder seed d Certified seed
- 10 The physiological symptom of rice
a Black coloured panicle b Golden yellow panicle
c Brown coloured seed d Cracked seed

II

Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Objectionable weed plant
- 2 Pre-sowing treatment
- 3 Seed packaging materials
- 4 Seed marketing
- 5 Methods and types of seed dryers
- 6 Central and State Seed Testing Laboratory
- 7 Seed sampling

III

Answer ANY FIVE of the following

(5x4=20)

- 1 Characteristics of quality seed
- 2 Methods for synchronisation of flowering in hybrid rice
- 3 Certified seed production techniques for bhendi

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- 4 Seed extraction techniques for tomato
- 5 Write the principles and mechanism of air screen cleaner cum grader and specific gravity separator
- 6 Generation system of seed multiplication
- 7 Mid storage treatments

IV

Write an essay on ANY ONE of the following

(1x10=10)

- 1 Give detailed account on varietal and hybrid seed production maize
- 2 Write in detail about the procedure of seed certification
