



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2016 admission
VI Semester Final Examination - July-2019

dtec.3201

Principles of Seed Technology (2+1)

Marks: 50
Time: 2 hours

Fill in the blanks

(10x1=10)

- 1 Botanically seed is defined as
- 2 Ear to row method is adopted for production of in rice.
- 3 The tool used for hybrid seed production in maize is
- 4 The chemical used for improving female flower production in cucurbitaceous vegetable is
- 5 Staggered sowing is practiced in rice to obtain

State True or False

- 6 Seed Control Order emphasis license for sale of seed.
- 7 Seed Rules were framed in the year 1969.
- 8 Moist seed can be stored under cold storage to have longer storage life.
- 9 Only notified varieties are accepted for production of breeder seed.
- 10 Hand sampling is practiced for arriving submitted sample in non free flowing forage seeds.

Write short notes on ANY FIVE of the following

(5x2=10)

- 1 What are the quality characters of seed?
- 2 Seed village.
- 3 Classes of seed.
- 4 Mention any four legislations that support the growth of Indian Seed Industry.
- 5 What is field inspection? How it vary with crops?
- 6 Differentiate rogue and off type.
- 7 What is physiological maturation? Give an example.

Answer ANY FIVE of the following

(5x4=20)

- 1 Varietal deterioration in crops: Explain the factors responsible for occurrence and its management.
- 2 Explain the duties and responsibilities of seed analyst, seed inspector and seed certification officer.
- 3 Field inspection in seed certification-Explain in detail.
- 4 What is seed sampling in seed testing - Explain in detail the sampling methods and the submission of sample to STL.
- 5 Elaborate the steps in hybrid seed production in pigeon pea.
- 6 Isolation.
- 7 Seed bill 2004 – Explain in detail.

Write an essay on ANY ONE of the following

(1x10=10)

- 1 What is seed production? Elaborate the agronomic factors influencing seed production.
- 2 What is seed storage? Elaborate the factors influencing storability of seeds.
