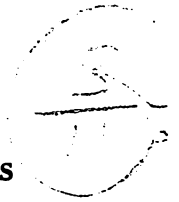




**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc ( Hons.) Agriculture 2014 & Previous Admissions**  
**VI Semester Final Examination-August -2017**



Pbgn 3205

**Principles of Seed Technology (1+1)**

**Marks: 50**  
**Time: 2 hours**

**I Define :**

**(10 x 1=10)**

- 1 Objectionable weeds.
- 2 Volunteer plants.
- 3 Isolation distance.
- 4 Seed health.
- 5 Seed germination.
- 6 Truthfully labeled seeds.
- 7 Essentially derived variety.
- 8 Upgrading.
- 9 Grow – out test.
- 10 Seed vigour

**II Write short notes on any FIVE**

**(5 x 2=10)**

- 1 Characters of good quality seed.
- 2 Classes of seed.
- 3 Field standards and their importance in seed production programmes.
- 4 Seed Control Order 1983.
- 5 A Cultivator purity testing procedures.
- 6 Seed tests for identification of seed borne fungal pathogens.
- 7 Determination of moisture content in paddy seeds.

**III Answer any FIVE**

**(5 x 4=20)**

- 1 Enhancement of seed setting in paddy hybrid seed production.
- 2 Objectives of field inspection.
- 3 Seed processing.
- 4 Types of seed treatment and equipments used for seed treatment.
- 5 Seed sampling procedure.
- 6 General principles of seed storage.
- 7 Salient features of PPV & FR Act 2001.

**IV Write essay on any ONE**

**(1 x 10=10)**

- 1 Explain the factors responsible for varietal deterioration. Describe the measures for maintenance of genetic purity in seed production.
- 2 Explain the procedure for foundation and certified seed production of tomato.

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