

EASTERN UNIVERSITY, SRILANKA



SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2000/2001

CSC 2102 – SEED PHYSIOLOGY AND TECHNOLOGY

Answer all Questions

Time : 2 hours

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1. a) Discuss briefly the components of seed quality that are considered important for good seeds.
b) Describe how Seed Certification helps in producing quality seeds.

 2. a) What do you understand by Seeds Standards ?
- Give the Seeds Standards for rice (paddy) specified by the Seed Certification Service (SCS) of Sri Lanka.
b) Discuss briefly how the seeds of new cultivars (varieties) of agricultural crops are produced in Sri Lanka, mentioning the different stages – generation in the Seed Production process.

 3. a) Discuss briefly the precautions that are considered important in Seed Storage to reduce the rate of loss of Seed quality (deterioration).
b) Discuss briefly how you will advise a new contract grower who wishes to produce Certified Seed – first generation of Seed paddy for sale to farmers in his area.

 4. Write Short notes on the followings:
 - (i) Dormancy of Seeds
 - (ii) Recalcitrant Seeds
 - (iii) Field weathering of Seeds
 - (iv) Equilibrium moisture content of Seeds
