

School of Agriculture

Agriculture
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - A1UA405B / AGRI2015

Principles of Seed Technology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Match the following: K1 CO1 (5)
a) Orthodox seeds i) Given to farmers for commercial crop production
b) Recalcitrant seeds ii) Short life span
c) Nucleus seeds iii) Progeny of breeder seed
d) Foundation seeds iv) Highest genetic purity
e) Certified seeds v) Long life span
2. Explain what is seed viability test. K2 CO1 (5)
3. Define seed and grain. K1 CO1 (5)
4. Simplify the procedure of Evans blue test along with its result. K4 CO5 (10)

OR

- Simplify the parameters that influence seed shelf life. K4 CO5 (10)
5. Explain the responsibilities and duties of seed certification officers. K2 CO1 (10)
6. Solve the following question: Describe the central seed testing laboratory's functions. K3 CO2 (10)
7. Solve the following question: Explain how the central seed testing laboratory works. K3 CO2 (10)
8. Explain the goal of seed technology. K5 CO4 (15)

OR

- Recommend the function of a seed technician. K5 CO4 (15)
9. List out the deterioration causes of crop varieties and management strategies for control. K4 CO3 (15)
10. Solve the following question: Mention the different classes of seeds with their explanation. K3 CO2 (15)