



ADMISSION NUMBER

School of Agriculture

Bachelor of Science Honours in Agriculture
Semester End Examination - Aug 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - A1UA411B /A1UA405B - Principles of Seed Technology

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

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| 1) | Name the places of location of International Seed Testing Association (ISTA) and Central Seed Testing Laboratory (CSTL). | K1(2) |
| 2) | Explain the terms: Hypogeal Germination and Epigeal Germination | K2(4) |
| 3) | Summarize the mandates of AICRP on seeds. | K2(6) |
| 4) | Solve the following question: procedure of tetrazolium test along with its result. | K3(9) |
| 5) | Construct the basic procedure of Evans blue test's technique and outcome. | K3(9) |
| 6) | Interpret the different factors affecting seed dormancy and different processes of breaking seed dormancy. | K5(10) |
| 7) | Conclude the different seed viability tests conducted to check seed viability. | K4(12) |
| 8) | Conclude the role of seed technology. | K5(15) |
| 9) | Conclude the different classes of seeds with their explanation. | K5(15) |
| 10) | Elaborate the different steps of seed cleaning. | K6(18) |