

School of Agriculture

**Master of Science in Agronomy
Semester End Examination - Jun 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem II - A1PB202B - Principles and Practices of Water Management*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) | Tell about major irrigation sources in India | K1(2) |
| 2) | Explain, actual water content and relative water content | K2(4) |
| 3) | Illustrate the sprinkler irrigation unit with its components | K2(6) |
| 4) | Solve the water crisis by different sources of irrigation | K3(9) |
| 5) | Solve the following problem: The weight of wet soil sample was 120 g and after oven drying it was 100 g. Calculate the moisture content on weight basis. | K3(9) |
| 6) | Give your opinion on drum culture technique | K5(10) |
| 7) | Analyze the impact of drought on plant and how plant adopt in drought | K4(12) |
| 8) | Criticize the Conventional Agriculture | K5(15) |
| 9) | Give brief conclusion of soil moisture constants with it all components | K5(15) |
| 10) | Compare surface and subsurface drainage with its type | K6(18) |