

**2025 END OF SEMESTER EXAM – AGRICULTURAL SCIENCE 1 SOLUTION
PAPER 1**

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|---|---|
| 1. a. Tissue culture | 21. c. Okra |
| 2. c. Production activity | 22. c. Robots to produce crops |
| 3. d. Soil-base farming | 23. b. Sprinkler irrigation |
| 4. d. Hydroponics | 24. b. Drip irrigation |
| 5. b. Irrigation | 25. c. Vegetables |
| 6. b. Biotechnology | 26. a. Cabbage |
| 7. b. Low crop yield | 27. a. A year |
| 8. c. Market needs | 28. c. Colouring |
| 9. b. Hardening off | 29. b. Aesthetic value |
| 10. a. Source of water | 30. b. An open establishment of grass |
| 11. a. Seedlings develop two pairs of leaves | 31. d. Consumption |
| 12. b. Hand trowel | 32. b. Product |
| 13. d. Hills | 33. d. Knowledge of the farmer |
| 14. b. Sowing | 34. a. Market |
| 15. c. Root breakage / damage | 35. a. After harvest operations |
| 16. a. Pest and disease control | 36. c. Quality |
| 17. d. There is high initial investment | 37. b. Hydrate crops |
| 18. a. Genetic diversity | 38. d. Laboratories |
| 19. a. Access nutrients and water | 39. a. Washing and cleaning operations |
| 20. a. The practice is expensive | 40. b. Biennial |