

EASTERN UNIVERSITY, SRI LANKA  
FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE

2003/2004

AGB 4101 – BIOTECHNOLOGY  
END SEMESTER EXAMINATION

Answer all questions

Time: Two Hours.

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1. Describe the procedure involved in protoplast culture.
2.
  - a) What is plant tissue culture?
  - b) List out the advantages of tissue culture.
  - c) Briefly discuss the technique of callus culture in carrot.
3. Briefly discuss the following:
  - a) DNA cloning using Antibiotic resistance as a marker.
  - b) Usefulness of cloning.
  - c) Risks of cloning.
4. Discuss the steps involved in the construction of a DNA library.