



The Open University of Sri Lanka
Faculty of Engineering Technology
Bachelor of Industrial Studies (Agriculture) programme
Final Examination- 2013/2014

AEI5241 Agricultural biotechnology

Date : 01 - 09 - 2014
Time : 0930 - 1230 hours
Duration : Three (03) hours

SECTION II

1. Discuss the applications of biotechnology in Agriculture and forestry.
2. Describe the mechanism of protein Synthesis.
3. Write in detail about the principle involved in PCR and explain its applications.
4. Write an essay on industrial applications of enzyme biotechnology.
5. Write an essay on importance of tissue culture technique in crop improvement.
6. Write short notes on any four (04) of the following.
 1. Biotechnology for the developing world
 2. Molecular structure of DNA
 3. DNA libraries
 4. DNA fingerprinting
 5. Totipotency