



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

AEI3234 Agricultural Biology 1

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

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SECTION II

1.
  - a. Explain the role of structural organization of mitochondria in relation to its function.
  - b. Give an account on structure and function of Golgi apparatus.
2.
  - a. What is an enzyme?
  - b. Explain the factors affecting enzyme activity.
3. Explain how do the secondary vascular tissues are formed from vascular cambium.
4.
  - a. What is a mutation?
  - b. State the reasons for mutations.
  - c. Explain the reasons for chromosomal mutations.
5. Discuss the conditions necessary for photosynthesis.
6. Write short notes on any **four (04)** of the following.
  1. Functions of proteins
  2. Meristem tissues
  3. Epistasis
  4. Chromosomal abnormalities
  5. Human Blood transfusion