



The Open University of Sri Lanka
Faculty of Engineering Technology
Technology Program
Final Examination- 2007

AEX2130 Nature and Environment

Date : 10-05-2008
Time : 0930-1230 hrs

SECTION II: Answer four only four (04) questions...

- (1) (a) Write accounts on following organelles (include labelled diagrams in your answer).
 - Mitochondria
 - Rough endoplasmic reticulum
- (b) Referring to label diagrams briefly explain the process of mitotic division of a cell.
- (2) Discuss the evolution of plant kingdom from aquatic environment to terrestrial environment.
- (3) (a) Discuss about the ecosystem of a tropical rain forest.
- (b) Briefly explain the phosphorus cycle.
- (4) (a) Explain the importance of Solar energy to sustain the ecosystem.
- (b) Discuss the changes in environment due to human activities.
- (5) (a) Briefly state about the Agricultural revolution.
- (b) Discuss the impact of population on environment.
- (6) Write short notes on any three (03) topics of the following;
 - (a) Soil erosion.
 - (b) Pollution of surface water.
 - (c) Green house effect.
 - (d) The forest ordinance.