

EASTERN UNIVERSITY, SRI LANKA  
FIRST EXAMINATION IN SCIENCE 2005/2006 ( SEPT 2007)  
FIRST SEMESTER

ZL 101-CELL BIOLOGY

Time : **Two** hours

Answer **all** questions.

(Illustrate your answers with clear labeled diagrams where necessary).

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1. Write an essay on an animal cell membrane and its properties and functions.
2. Write brief notes on any **two** of the following:
  - a. Golgi Complex
  - b. Lysosomes
  - c. Endoplasmic reticulum
3. Describe the processes of protein synthesis in an eukaryotic cell.
4. Comment on any **two** of the following:
  - a. Deamination of amino acids
  - b.  $\beta$ -oxidation of fatty acids
  - c. Glycogenolysis

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