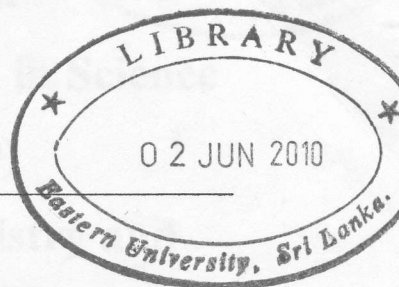


EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE -2008/2009 (April /May2010)
FIRST SEMESTER (PROPER & REPEAT)

ZL 101-CELL BIOLOGY

Time : 02 hours.
Answer all questions.



1.
 - a). Define the cell theory and comment on the role of cell biologist in the discovery of a living cell.
 - b). Describe the structure and function of three major organelles in an animal cell.

2. Describe the energy production in an animal cell with reference to known metabolic pathways.

3.
 - a) Comment briefly on configurational structures of protein and its function.
 - b). Write notes on protein synthesis in a Prokaryotic cell.

4. Comment on the following:
 - a). Enzyme kinetics
 - b). Cell cycle
 - c). Differences between Peroxisome and Ribosome

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