

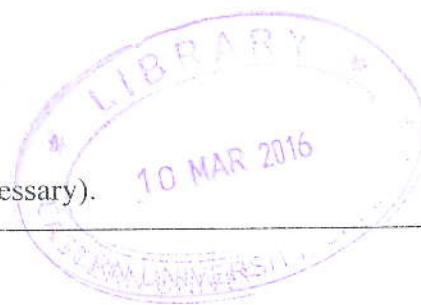
**EASTERN UNIVERSITY, SRI LANKA**  
**FIRST EXAMINATION IN SCIENCE 2013/ 2014 (OCT 2015)**  
**FIRST SEMESTER**

**ZL 101 – CELL BIOLOGY**

Time: 02 Hours

Answer **all** questions.

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



01. a) What is diffusion?  
b) Write briefly on the diffusion as the transport across the membrane.
02. a) What is metabolism?  
b) Briefly describe the Glycolysis during the metabolism.
- 03) a) What is an enzyme?  
b) Give the factors that affect the rate of enzyme activity.  
c) Discuss the effect of substrate concentration on enzyme activity.
- 04) Write Shorts note on any **two** of the followings:  
a) Lyzosome and cell defence.  
b) Interphase.  
c) Transcription process on protein synthesis.