

**FIRST YEAR EXAMINATION IN SCIENCE 2016/2017 (AUG/SEP 2018)**  
**FIRST SEMSTER**  
**ZL 1011 CELLBIOLOGY AND HISTOLOGY**

**Time: 01 hour.**

**Answer all questions.**

**Illustrate your answers with clear labelled diagrams where necessary)**

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Comment briefly on **all** of the following:

- a). Structure and function of the plasma membrane ; (30 marks)
- b). Oxidative phosphorylation ; (30 marks)
- c). Cell cycle and cancer. (40 marks)

- a). What is a tissue? List the major types of tissues. Classify each tissue with appropriate example. (30 marks)
- b). Explain with fully labelled schematic diagrams only the differences between the lining tissue and the connecting tissue. (40 marks)
- c). Write short notes on Stem cells. (30 marks)

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