

W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE**

**DEGREE OF MASTER OF SCIENCE IN PLANT PHYSIOLOGY**

**SBT 3128: ADVANCED CELL BIOLOGY**

**DATE: AUGUST, 2015 TIME: 3 HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS**

1. Discuss techniques used in the study of cells. [25 marks]
2. Discuss cellular signaling. [25 marks]
3. Discuss apoptosis. [25 marks]
4. Discuss the cytoskeleton. [25 marks]
5. Discuss the extra-cellular matrix. [25 marks]
6. Membranes play essential and varied roles in living cells.

Discuss [25 marks]