

\* LIFE \*  
17 OCT 2014

EASTERN UNIVERSITY, SRI LANKA  
FIRST EXAMINATION IN SCIENCE 2011/2012 (JAN 2014)  
FIRST SEMESTER  
PRACTICAL EXAMINATION

**ZL 151- CELL BIOLOGY**

Time: 03 hours

Answer all Questions

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1. Identify and answer the question along with the specimen **A,B,C,D,E,,F,G,H,I and J**

**25marks**

2. Comment on briefly **P,Q,R,S, and T.**

**20marks**

3. When a white colour macro bio organic compound "**M**" in a test tube was added with NaOH and thereafter treated with CuSO<sub>4</sub> drop wise, purple colour was observed whereas the same compound containing another test tube was treated with few drops of Con HNO<sub>3</sub> yellow colour was observed. And the same compound was treated with con H<sub>2</sub> SO<sub>4</sub> and when added with drop of CuSO<sub>4</sub> mixed K.Na tatarate, it was shown reddish precipitate. Identify the bio-organic compounds in '**M**' and describe the structure and characteristics of compound.

**25marks**

4. A specimen "**X**" provided to observe a cell division by making temporary slide. Identify a stage of cell division in the preparation and leave your slide for evaluation.

**15 marks**

5. Comment on the display '**Y**' and '**Z**'.

**15 marks**