

EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE 2016/2017(REPEAT)

PRACTICAL EXAMINATION

ZL 151- CELL BIOLOGY (OLD SYLLABUS)

Time: 03 hours
Answer all Questions

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 "W" in a test tube was added with NaOH and thereafter treated with CuSO₄ drop wise, purple colour was observed whereas the same compound containing another test tube was treated with few drops of Con HNO₃ yellow colour was observed. And the same compound was treated with con H₂ SO₄ and added with CuSO₄ mixed Na /K tatarate has given reddish precipitate. Identify the bio-organic compounds in 'W' and describe the structure and characteristics of compound.

25marks
4. A specimen "Z" 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 'X' and 'Y'.

15 marks

XXXXX