

EASTERN UNIVERSITY, SRI LANKA
FIRST YEAR SECOND SEMESTER EXAMINATION IN SCIENCE 2021/2022
(AUG/SEP 2024)
PRACTICAL EXAMINATION
ZL 1041- CELL BIOLOGY & HISTOLOGY

Time: 03 hours.

Answer **all** Questions.

1. Identify and answer the questions along with the specimens "A to J" **(30 Marks)**

2. Conduct the necessary biochemical tests and identify the biomolecules in the given mixture "O" **(15 Marks)**

3. You are provided with amino acid mixture "K" do the necessary separation techniques find out the amino acid found in the mixture and answer the following questions
 - I. What you meant by R_f Value
 - II. Comment the principles behind this separation technique
 - III. State the reasons for spraying Ninhydrin
 - IV. Propose the possible way to separate to amino acid with similar R_f value**(25 Marks)**

4. A specimen "L" provided to observe a cell division by making temporary slide. Identify the stages of cell division in the preparation and leave your slide for evaluation. **(15 Marks)**

5. Compare and contrast specimens/photographs "M and N" given and state the features, functions and their types **(15 Marks)**

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