



The Open University of Sri Lanka  
Certificate Course in Laboratory Technology  
Final Examination (Practical) -2012/2013  
PSC1221 -Basic Biology for Laboratory Practice  
Duration: Two hours  
Date: 21<sup>st</sup> June 2013

Time: 12.30 pm -2.30 pm

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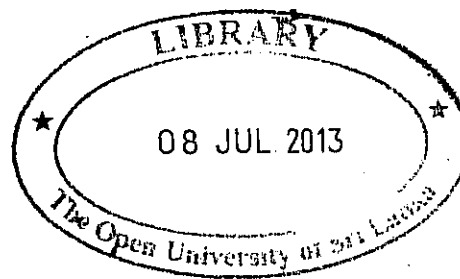
**This question paper consists of two parts –PART I and PART II**

Answer all questions in PART I and PART II

**PART I (Laboratory Practice) (1 hour)**

- 1. Identification of laboratory equipment, glassware and animal collection devices (20 min).**
  - a) Identify the laboratory equipment and glassware on your bench labeled as A, B,C, D, E, F and G and write the main use of them.
  - b) Identify the common animal collection devices /traps labeled as M,N,O,P,Q and R
  
- 2. Preparation of a blood smear (40 min)**
  - a) Prepare a stained blood smear using the blood sample (specimen X) provided to you.
  - b). Write the procedure used in preparing a blood smear and staining.
  - c). Focus any white blood cell (WBC) under the X40 objective and show it to your examiner.

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**PART II (Laboratory Practice) (1 hour)**

**1. Preparation of a permanent slide (35 min)**

- a) Prepare a permanent slide of a transverse section (T.S) of a stem part provided.
- b) Draw a microscopic line diagram of the T.S you have prepared.

**2. Identify the plant specimen / equipment provided (10 minutes).**

- a. ....
- b. ....
- c. ....
- d. ....
- e. ....

**3. Oral test on microbiological techniques (15 min)**

Provide answers to the three (03) questions asked by the examiner.

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