



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: 21st June 2013

Time: 12.30 pm -2.30 pm

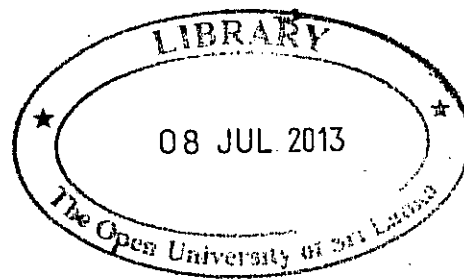
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This question paper consists of two parts –PART I and PART II

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.
