

**THE OPEN UNIVERSITY OF SRI LANKA
CERTIFICATE OF LABORATORY TECHNOLOGY- 2009/2010
PSC 1221 BASIC BIOLOGY LABORATORY PRACTICE
OPEN BOOK TEST**

Date- 12th September 2009

Time- 1.00 pm- 2.00 pm

Registration number -

PART B



Answer all the questions

1. Suppose that you have been asked to set up a Practical for students on the topic of "Preparation of blood smears to observe blood cells".

1.1. Name two stains that you would recommend to stain blood smears for quick and temporary observation?

1.2. Prepare a list of glassware and other consumables needed for this practical.

1.3. Prepare a list of chemicals needed for this practical.

1.4. Describe how you would clean used glass slide prior to use them for this practical.

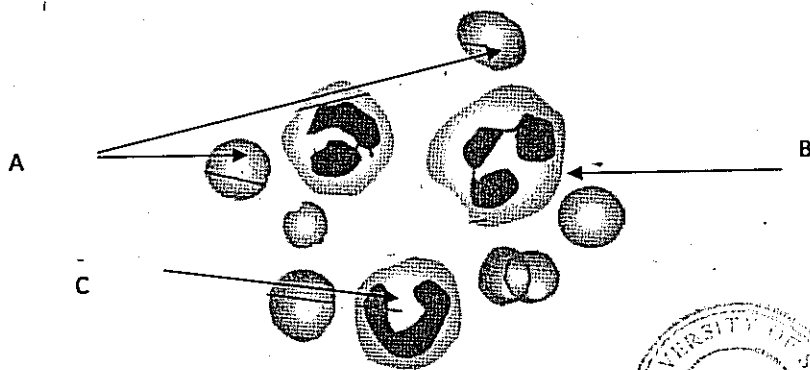
1.5. What is the disinfectant that you could easily find in your laboratory to disinfect the finger tips of students before pricking them to take blood? What is the recommended concentration?

1.6. Since you have followed the CLT course of OUSL you have been asked to demonstrate how to prepare a blood smear. Briefly write the steps of process that you would tell the students.

1.7. What is the type of microscope that you would give the students to observe their blood smears?

1.8. What are the objectives ^(lens) that would be needed to observe and identify the blood cells?

1.9. Students might ask you to identify blood cells if they face any difficulty in identifying them. Therefore, try to identify them by looking at the microscopic field given below

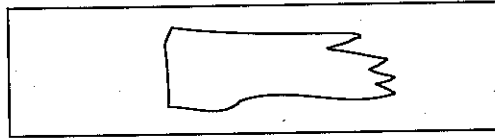


A -----
B -----
C -----



1.10. Explain how you would discard the consumables that you listed in Question 1.2 at the end of the practical class.

1.11. If these blood smears are wanted to be kept as permanent, show how you would label the slides using the following diagram.



1.12. List 5 regular duties of a laboratory staff.

