**LAB SESSION 2**

**All terminologies, concepts, and figures within each exercise are required (unless otherwise specified).**

**EXERCISE 2: COMPONENTS OF BLOOD**

Learning Objectives: Following completion of this lab, the student will be able to:

- list the functions of blood.
- describe the components of blood and list the function of each component.
- identify the formed elements in a blood smear.
- list the relative number of leukocytes (most frequent – least frequent).

*Note: You are not responsible for the following:*

Table 1: Average number of blood cells per mm$^3$ of blood (only most frequent – least frequent: NEVER LET MONKEYS EAT BANANAS = Neutrophils; Lymphocytes; Monocytes, Eosinophils, Basophils)

The term “thrombocytes”

**EXERCISE 3: CLINICAL BLOOD TESTS**

Learning Objectives: Following completion of this lab, the student will be able to:

- describe the components of whole blood.
- perform two hematological test procedures and interpret the results.
- correctly read blood typing trays, list antigens/antibodies present and possible donors and recipients.
- relate abnormal hematological results to various pathologies.