

*Please note: This is a study guide based on old practicals. If your instructor gives you additional information or omits information, please defer to their instructions.*

## **Study Guide for Practical 1**

All practicals are timed, rotational, station-based examinations. You will have 2 minutes at each station to answer the questions or label the structures on a model. You will not be allowed to go back to a station. Please ask your instructor if you would like further information about the format of each practical.

You need to know the following for Practical 1:

### **I. Material from the Tissues:**

**This is a MAJOR part of Practical 1.** Many, many stations will focus on this material. Make sure to devote enough time to this material.

Go to the lab website. Click on BSC2085 and then click on Practical 1. Select #4 Tissues.

The many questions from this set of material will show exact color copies of each tissue and ask questions about the tissue. You will always be given both of the pictures you see on the website for each tissue.

For each Tissue Picture you need to know the following:

1. The Name of the tissue (see the top of each picture)
2. One (and only one) function of each tissue (see bottom of each picture)
3. One (and only one) place in the body you find each tissue (see bottom of each picture)

### **II. Material from the Cell Model:**

(see model in lab, the Learning Commons, or fully labeled on lab website)

-Be able to label all the terms labeled on the website.

-Be able to state one function of each structure.

(see pg 27-30 in your manual or Table 1 in the Practical 1 Need to Know Sheet)

### III. Material from the **Mitosis Models**:

(see model in lab, the Learning Commons, or fully labeled on lab website)

-Know what Mitosis is (simple definition). Know what happens to chromosome number from parent cell to daughter cell (stays the same).

-Be able to label which phase of Mitosis each model represents.

-Be able to state one thing that happens in each phase.

(see pg 31-32 in your manual or Table 2 in the Practical 1 Need to Know Sheet)

-Be able to label the following terms on the models: Nuclear Envelope Membrane), Chromosomes, Spindle apparatus, Spindle Fibers, Sister Chromatids, Cleavage Furrow.

### IV. Material from the Mitosis Slide Pictures from website. See **Whitefish Blastula Showing Mitosis** on website. (Exact color copies will appear on the practical).

-Be able to label which phase of Mitosis each model represents.

### V. Material from the **Plane Jane Model**:

(see model in lab or fully labeled on lab website)

-Be able to label the following planes: Coronal (Frontal), Sagittal, and Transverse.

### VI. Material from the Integumentary System:

Material from the **Large Skin Model** (Pink):

(see model in lab or fully labeled on lab website)

-Be able to label all the structures labeled on the website.

(make sure you click to zoom in to see all the views)

Material from the **Small Skin Model** (Yellow):

(see model in lab, in the Learning Commons, or fully labeled on lab website)

-Be able to label all the structures labeled on the website.

(make sure you click to zoom in to see all the views)

\*\* Sometimes there is a Bonus question that asks you ID the degree of burn shown on the back of this model- you don't have to know this- but it could be a bonus question. \*\*

