PRINCIPLES OF PHARMACOLOGY: AN OVERVIEW

Date: August 6, 2019 – 9:30 am

KEY CONCEPTS AND LEARNING OBJECTIVES

1. List the different origins and sources of drugs and the different types of drug formulations

2. Describe the various routes of administration of a drug.

3. List the various factors that affect drug absorption, drug distribution and drug excretion.

4. Distinguish the major difference between First Order elimination and Zero Order elimination

5. Distinguish between a multicomponent distribution model and a single compartment distribution model

6. Define receptors and their role in the mediation of drug response and differentiate between a receptor agonist and antagonist.

7. Discuss the differences between generic versions of a drug versus the branded product.

8. Discuss the differences in the chemical equivalence, biological equivalence and therapeutic equivalence of a drug product as related to generic drug substitution.

9. Define the bioavailability of a drug.

10. What are the different phases of the drug approval process.