**BIOLOGY 140: Introduction to Human Disease**

**Exam 3 (FINAL): Study Guide**

**Date: June 1, 2019**

**This study guide is designed to prepare you for the exam due to be completed on or before June 1st, 2019 (11:59 PM). You are responsible for all material in my PowerPoint presentations, reflections, and the last reading assignments (#5 – Addiction). Use this study guide to help focus your studying not as substitute for last minute cramming of material. Remember, this is a GUIDE not a comprehensive list of all the material covered in lecture. Also, make certain to use your textbook to further your understanding of material in the study guide and PowerPoint lectures.**

**Chapter 15: Nervous System Diseases and Disorders**

1. What are the two major branches of the nervous system? Be able to name and identify the major parts of each system?
2. What are some common signs and systems of a nervous system disorder? How can you tell if this disorder is specific to the central nervous system (CNS)?
3. Be able to name some diagnostic tests used to identify and treat neurological disorders?
4. What is encephalitis and how is it different than another infection of the nervous system known meningitis? Be able to describe the signs and symptoms of each disease.
5. What is causes the disease known as tetanus and how does this infection affect the nervous system?
6. What is epilepsy? How is it diagnosed and treated?
7. What is dementia? What are the different types of dementia? What is the most common form of dementia?
8. Be able to describe the anatomical and cellular changes that occur in the brains of patients with Alzheimer’s disease (AD)?
9. What are they ways to diagnosis AD? What is the only reliable to definitely diagnosis someone with the disease? What is the prognosis of person with AD?
10. What is Parkinson’s disease (PD)? What regions of the brain does it affect and how it is treated? What is the prognosis of person with PD?

**Chapter 21: Mental Health Disease and Disorders**

1. What are some signs and symptoms of someone with a mental health disorder?
2. Be able to describe some common mental health disorders?
3. What types of test do psychiatrist and psychologists use to diagnosis mental health disorders and diseases?
4. What is an intellectual disability?
5. What is Attention-Deficit Disorder and how is it diagnosed and treated?
6. What is an eating disorder and how is it diagnosed and treated?
7. What is alcoholism? What are the causes and how is treated?
8. What are some other addicted substances that can lead to mental health disorders?
9. What are some organic mental health disorders?
10. What is the definition of psychosis? What are some different types of psychosis?
11. What is a mood or affective disorders? What are some different types of affective disorders?
12. What is a personality disorder?