**Unit 3 Biology 3201 Assignment 5**

1. **Define each of the following:**
2. Autosomal Recessive Inheritance
3. Co-Dominant
4. Autosomal Dominant inheritance
5. Incomplete Dominant Inheritance
6. Sex-Linked Recessive Inheritance
7. For each of the following **Autosomal Recessive Diseases explain** their causes, symptoms and possible outcomes whether good or bad.
8. Cystic fibrosis
9. Tay Sachs Disease
10. Albinism
11. XP (Xeroderma Pigmentosum
12. SCID (Severe combined immunodeficiency
13. For each of the following **Autosomal Dominant Diseases explain** their causes, symptoms and possible outcomes whether good or bad.
    1. Progeria
    2. Huntington's disease
    3. prodactyl
14. For the following **Co-Dominant Diseases** explain its causes, symptoms and possible outcomes whether good or bad.
15. Sickle cell anemia
16. For the following **Incomplete Dominance Inheritance** explain its causes, symptoms and possible outcomes whether good or bad.

* FH (Familial Hypercholesterolemia)

1. For each of the following **X-linked Recessive Traits diseases** explain their causes, symptoms and possible outcomes whether good or bad.
2. Hemophilia
3. Red-green colorblindness
4. Lesch-Nyhan Syndrome
5. Duchenne Muscular Dystrophy
6. Each of the following disorders is caused by Non-disjunction. Explain how each disorder affects the individual and which chromosomes are affected.
7. Down’s syndrome
8. Turner Syndrome
9. Klinefelter’s syndrome
10. Jacobs syndrome
11. Fragile X syndrome
12. Rett syndrome
13. Explain how each of the following is used to test for genetic disorders
14. Amniocentesis
15. Chorionic Villi Sampling (CVS)
16. Karyotyping