**Lecture Learning Outcomes and Objectives**

**Week 15: THE REPRODUCTIVE SYSTEM**

*Given 2 hours of discussion and assigned reading on the subject, upon an examination and within 70% accuracy, the student should be able to:*

**How Animals Reproduce**

1. Contrast asexual and sexual reproduction and give examples for each.
2. Explain parthenogenesis
3. Compare and contrast oviparous, ovoviviparous, and viviparous life history strategies.
4. Describe internal and external fertilization

**Male Reproductive System**

1. List the parts of the human male reproductive system and their functions.
2. Explain the events of male orgasm.
3. List the constituents of semen and the source of each.
4. Describe the structure of the testis and the process of spermatogenesis.
5. Explain how testes are regulated by hormones.

**Female Reproductive System**

1. List the parts of the human female reproductive system and their functions.
2. Explain events of female orgasm.
3. Summarize the events of the ovarian and uterine cycles, and explain how these two cycles are regulated.
4. Describe the roles of progesterone, estrogen, and human chorionic gonadotropin (hCG) hormone in pregnancy.
5. Describe the anatomy and function of the female breast.

**Control of Reproduction**

1. List the various means of birth control available for males and females, comparing the relative efficacy, advantages, and disadvantages of each.
2. Discuss infertility and its causes
3. List and describe the available means of assisted reproductive technology.

**Sexually Transmitted Diseases**

1. Describe the most common sexually transmitted diseases, along with their major symptoms and their causative agents.
2. Understand the terms: Budding, fission, fragmentation, hermaphrodite, lactation, menopause, gestation, contraception.