

## UNIT FIVE EXAM (CHAPTERS 22 AND 23)

### CHAPTER 22

#### THE STUDENT WILL BE ABLE TO:

1. State the general functions of the reproductive systems.
2. Name the parts of the male reproductive system and describe the general functions of each part.
3. Describe the structure of a testis, and explain how sperm cells are formed.
4. Trace the path followed by sperm cells from their site of formation to the outside, and explain the environmental changes that occur along this path.
5. Describe the structure of the penis, and explain how its parts function to produce an erection.
6. Explain how hormones control the activities of the male reproductive organs and how they are related to the development of male secondary sex characteristics.
7. State the general functions of the female reproductive system.
8. Name the parts of the female reproductive system, and describe the general functions of each part.
9. Describe the structure of an ovary, and explain how egg cells and follicles are formed.
10. Describe how hormones control the activities of the female reproductive system and how they are related to the development of female secondary sex characteristics.
11. Describe the major events of the menstrual cycle.
12. Define pregnancy, and describe the process of fertilization.
13. Describe the hormonal changes that occur during pregnancy.
14. Describe the birth process and explain the role of hormones in this process.

### CHAPTER 23

#### THE STUDENT WILL BE ABLE TO:

1. Distinguish between growth and development.
2. Describe the major events that occur during the period of cleavage.
3. Explain how the primary germ layers originate and list the structures produced by each layer.
4. Describe the formation and function of the placenta.
5. Define fetus, and describe the major events that occur during the fetal stage of development.
6. Trace the general path of blood through the fetal circulatory system. (Review)
7. Describe the major physiological adjustments that occur in the newborn.
8. Name the stages of development that occur between the neonatal period and death, and list the general characteristics of each stage.