1. This figure shows a frontal section of the kidney. Which number indicates the renal cortex?
A. 1
B. 2
C. 3
D. 6
E. 8
2. This figure shows a renal corpuscle. What structure does number 1 indicate?
A. Distal convoluted tubule
B. Glomerulus
C. Afferent arteriole
D. Proximal convoluted tubule
E. Juxtaglomerular apparatus

3. Increased salt content of the blood will lead to ______ blood volume.
A. increased
B. decreased
C. no change in the

4. The kidneys aid in maintaining blood pressure by
A. preserving salt and water balance.
B. maintaining a normal blood volume.
C. producing renin.
D. All of the choices are correct.

5. Which of the following extends from the urinary bladder to an external opening?
A. urethra
B. hilum
C. ureters
D. trigone

6. In which gender is the urethra shorter?
A. male
B. female
C. both male and female
D. neither male nor female
7. Micturition involves both ______ and ______ nerve impulses.
A. somatic and enteric
B. sympathetic and parasympathetic
C. sympathetic and somatic
D. somatic and parasympathetic

8. Place the parts of the nephron in the correct order.
A. distal convoluted tubule, nephron loop, glomerular capsule, proximal convoluted tubule, collecting duct
B. glomerular capsule, proximal convoluted tubule, nephron loop, distal convoluted tubule, collecting duct
C. glomerular capsule, distal convoluted tubules, nephron loop, proximal convoluted tubule, collecting duct
D. nephron loop, collecting duct, proximal convoluted tubule, glomerular capsule, distal convoluted tubule

9. The process that moves substances from the blood into the kidney tubules to become part of the urine is
A. glomerular filtration.
B. tubular reabsorption.
C. tubular secretion.
D. water reabsorption

10. ADH (antidiuretic hormone)
A. is secreted by the posterior pituitary gland.
B. helps maintain the blood volume.
C. helps regulate water reabsorption.
D. All of the choices are correct.

11. Aldosterone
A. is a hormone produced by the adrenal cortex.
B. causes sodium to be reabsorbed into the blood.
C. increases blood pressure.
D. All of the choices are correct.
12. What stimulus causes the release of renin from the juxtaglomerular apparatus?
A. high blood pressure
B. low blood oxygen
C. low blood pressure
D. low blood sodium

13. This figure shows the duct system in the male reproductive tract. Which number indicates the seminal vesicle?
A. 2
B. 3
C. 4
D. 5
E. 7

14. Which of the following is NOT a function of the male reproductive system?
A. produces sperm in the testes
B. produces male sex hormones for masculinization
C. provides for the maturing of sperm in the testes
D. delivers sperm to the female vagina with the penis
15. Which of the following is NOT a function of the female reproductive system?
A. produces female sex hormones for feminization and pregnancy
B. produces ova in the uterus
C. provides a place for a fertilized egg to develop in the uterus
D. receiving the male penis and removing of menstrual flow through the vagina

16. Meiosis
A. occurs only in testes and ovaries.
B. reduces chromosome number to 23.
C. involves the separation of homologous chromosomes.
D. All of the choices are correct.

17. The most important androgen is
A. testosterone.
B. semen.
C. prostaglandins.
D. progesterone.

18. The vas deferens joins a duct from the seminal vesicle to form the
A. urethra.
B. prostate gland.
C. ejaculatory duct.
D. spermatic cord.

19. What does seminal fluid provide?
A. the correct pH for sperm
B. fructose for energy
C. enhance sperm motility
D. All of the choices are correct.
20. Which of the following stimulates spermatogenesis in the seminiferous tubules?
A. LH
B. FSH
C. testosterone
D. inhibin

21. Which of the following is NOT part of the vulva?
A. clitoris
B. mons pubis
C. labia majora
D. vagina

22. Where does fertilization of an egg usually occur?
A. pelvic cavity
B. uterus
C. vagina
D. uterine tubes

23. What structures produce the female sex hormones?
A. ovaries
B. follicle
C. corpus luteum
D. All of the choices are correct.

24. Which of the following is the correct order of events in the ovary?
A. ovulation, follicular phase, luteal phase
B. luteal phase, follicular phase, ovulation
C. follicular phase, ovulation, luteal phase
D. luteal phase, ovulation, follicular phase
25. Which of the following is needed for milk production?
A. prolactin
B. oxytocin
C. colostrum
D. estrogen