

## **Chapter 2: Female Sexual Anatomy and Physiology**

### **2.1 Multiple Choice**

1) Another term for the vulva is

- A) veneris.
- B) pudendum.
- C) vagina.
- D) labia.

*Answer: B*

*Page Ref: 41*

*Skill: Factual*

2) Which of the following is the technically correct way to refer to a woman's frontal genitalia?

- A) Vagina
- B) Vulva
- C) Perineum
- D) Enchanted castle

*Answer: B*

*Page Ref: 41*

*Skill: Applied*

3) Which of the following correctly lists the order of a woman's external genital structures from uppermost to lowermost (if the woman is seated)?

- A) Perineum, clitoris, vaginal opening, urethral opening, prepuce
- B) Prepuce, clitoris, vaginal opening, urethral opening, perineum
- C) Mons veneris, clitoris, urethral opening, vaginal opening, prepuce
- D) Mons veneris, clitoris, urethral opening, vaginal opening, perineum

*Answer: D*

*Page Ref: 42*

*Skill: Applied*

4) The female structure that consists of fatty tissues that covers the pubic bones in front of the body is(are)

- A) mons veneris.
- B) labia majora.
- C) vulva.
- D) labia minora.

*Answer: A*

*Page Ref: 42*

*Skill: Factual*

5) The outermost folds of skin that protect the inner female genitalia are known as

- A) the prepuce.
- B) labia minora.

- C) labia majora.
- D) mons veneris.

*Answer: C*

*Page Ref: 42*

*Skill: Factual*

6) Which of the following is the normal appearance of the labia majora?

- A) They may be thick or thin, pronounced or flat, noticeable or less noticeable; all are normal variations.
- B) They are usually thick, pronounced, and noticeable as folds of skin.
- C) They are usually thin, flat, and not very noticeable as folds unless pulled apart.
- D) They are usually hairless, light-colored membranes of tissue around the vaginal opening.

*Answer: A*

*Page Ref: 42*

*Skill: Applied*

7) The labia majora

- A) are large fleshy folds of skin on each side of the vaginal opening.
- B) come together to form the prepuce.
- C) are thinner, inner folds of flesh just outside the vaginal opening.
- D) have many nerve endings and are primary sources of sexual stimulations.

*Answer: A*

*Page Ref: 42*

*Skill: Factual*

8) The sexually sensitive smooth, hairless, inner lips of the vulva are called

- A) clitoris.
- B) crura.
- C) labia majora.
- D) labia minora.

*Answer: D*

*Page Ref: 43*

*Skill: Factual*

9) Which of the following join at the hood of the clitoris?

- A) Introitus
- B) Mons veneris
- C) The prepuce
- D) Labia minora

*Answer: D*

*Page Ref: 43*

*Skill: Factual*

10) During sexual stimulation, the labia minora may

- A) become firm and longer.
- B) become white and rubbery.

- C) darken and swell.
- D) secrete sex hormones.

*Answer: C*

*Page Ref: 43*

*Skill: Factual*

11) The sex organ whose only known function is to provide pleasure is

- A) the vagina.
- B) the clitoris.
- C) the prepuce.
- D) mons veneris.

*Answer: B*

*Page Ref: 43*

*Skill: Factual*

12) A clear difference between the clitoris and the penis is that the clitoris has

- A) no known function other than sexual pleasure.
- B) no cover that is equivalent to the penis' foreskin.
- C) no erectile properties.
- D) the ability to ejaculate.

*Answer: A*

*Page Ref: 43*

*Skill: Conceptual*

13) The sheath of skin, or hood, that covers the clitoral shaft is known as the

- A) prepuce.
- B) pudendum.
- C) labia majora.
- D) swathe.

*Answer: A*

*Page Ref: 43*

*Skill: Factual*

14) Which of the following correctly describes the relation between the clitoris and the male penis?

- A) They are analogous.
- B) They are unrelated.
- C) They are homologous.
- D) The clitoris is a small penis.

*Answer: C*

*Page Ref: 44*

*Skill: Conceptual*

15) The clitoral shaft consists of erectile tissue that contains two spongy masses called

- A) clitoral glans.
- B) corpora cavernosa.

- C) sphincters.
- D) vestibular bulbs.

*Answer: B*

*Page Ref: 43*

*Skill: Factual*

16) The tissue that partially or fully covers the glans of the clitoris is the

- A) mons veneris.
- B) labia minora.
- C) urethral hood.
- D) clitoral hood or prepuce.

*Answer: D*

*Page Ref: 43*

*Skill: Factual*

17) The clitoris responds to sexual stimulation by

- A) releasing sexually stimulating hormones.
- B) widening and turning red.
- C) engorging with blood.
- D) withdrawing inside the woman's abdomen.

*Answer: C*

*Page Ref: 43*

*Skill: Factual*

18) A rite of initiation into womanhood in many Islamic cultures consists of

- A) a large family celebration.
- B) removal of the clitoris.
- C) the meeting of her chosen husband.
- D) receiving a symbolic tattoo in the genital area.

*Answer: B*

*Page Ref: 44*

*Skill: Applied*

19) The area between a woman's labia minora is referred to as the

- A) vestibule.
- B) vagina.
- C) urethra.
- D) prepuce.

*Answer: A*

*Page Ref: 44*

*Skill: Factual*

20) The area on a woman's body that contains the openings to the vagina and urethra is the

- A) vaginal opening.
- B) vulva.
- C) vestibule.

D) introitus.

*Answer: C*

*Page Ref: 44*

*Skill: Factual*

21) Women pass urine from

A) the urethra, which empties into the vagina.

B) the urethral opening below the vaginal opening.

C) the urethral opening, which is the vagina.

D) the urethral opening above the vaginal opening.

*Answer: D*

*Page Ref: 45*

*Skill: Applied*

22) Urine passes from the female's body through the

A) fallopian tubes.

B) urethral opening.

C) vaginal opening.

D) ureter.

*Answer: B*

*Page Ref: 45*

*Skill: Factual*

23) Cystitis is a

A) bladder inflammation.

B) calcium build up in the vulva.

C) vaginal infection.

D) painful period.

*Answer: A*

*Page Ref: 46*

*Skill: Factual*

24) A good friend of yours tells you she is experiencing painful and frequent urination and bloody discharge. She is likely to have

A) menarche.

B) cervical cancer.

C) cystitis

D) premenstrual syndrome.

*Answer: C*

*Page Ref: 46*

*Skill: Applied*

25) Proponents of the practice claim that removal of the clitoris is an attempt to

A) create sexual desires.

B) announce the female's womanhood.

C) remove evil spirits.

D) ensure chastity.

*Answer: D*

*Page Ref: 44*

*Skill: Applied*

26) All of the following statements regarding the clitoridectomies are true, *except*

A) the typical woman assumes it is a part of being female.

B) it is usually done by women.

C) the Islamic bible does not authorize it.

D) the labia minora and majora are also removed.

*Answer: D*

*Page Ref: 44*

*Skill: Applied*

27) Which of the following is *not* a medical complication due to the clitoridectomy?

A) Infections

B) Painful menstruation

C) Headaches

D) Obstructed labor

*Answer: C*

*Page Ref: 45*

*Skill: Applied*

28) The female circumcision that involves complete removal of the clitoris along with the labia minora and inner layers of the labia majora is called

A) excision.

B) Farsic circumcision.

C) Sudan circumcision.

D) radical clitoridectomy.

*Answer: A*

*Page Ref: 45*

*Skill: Applied*

29) Which of the following statements is true regarding genital mutilation?

A) It is only legal in the United States if the female signs an informed consent form.

B) The United States bans the practice and advocates bringing an end to the practice.

C) Clitoridectomies are not common in African countries.

D) Genital mutilations have been outlawed in the United States for over 15 years.

*Answer: B*

*Page Ref: 45*

*Skill: Applied*

30) In order to help prevent cystitis, it is recommended that women

A) drink plenty of caffeine.

B) avoid acidic beverages like orange juice.

C) avoid the use of vaginal lubricants.

D) urinate after intercourse.

*Answer: D*

*Page Ref: 46*

*Skill: Applied*

31) The vaginal opening is called the

A) introitus.

B) prepuce.

C) pudendum.

D) labia interna.

*Answer: A*

*Page Ref: 46*

*Skill: Factual*

32) The ring of tissue that partially or fully covers the vaginal opening is the

A) clitoris.

B) cervix.

C) perineum.

D) hymen.

*Answer: D*

*Page Ref: 46*

*Skill: Factual*

33) The hymen or maidenhead is

A) proof of virginity.

B) a fold of tissue across the vaginal opening.

C) evidence of sexual intercourse.

D) present until a woman gives birth.

*Answer: B*

*Page Ref: 46*

*Skill: Factual*

34) A common myth about the female hymen is that

A) sperm cells can pass around the hymen.

B) the hymen will always break and bleed during first intercourse.

C) some females are born without a hymen.

D) tampon insertion may perforate a hymen.

*Answer: B*

*Page Ref: 46*

*Skill: Factual*

35) All of the following are reasons that the hymen is a poor indicator of virginity, *except*

A) the hymen may be torn by non-sexual activities.

B) a flexible hymen may not rupture during intercourse.

C) small penises may not rupture a typical hymen.

D) women can stretch their hymen so it does not rupture painfully.

*Answer: C*  
*Page Ref: 47*  
*Skill: Conceptual*

36) Under what condition might it be necessary for a woman to have her hymen surgically incised (cut)?

- A) An imperforate hymen
- B) A porous hymen
- C) A septate hymen
- D) A cribriform hymen

*Answer: A*  
*Page Ref: 47*  
*Skill: Factual*

37) When the hymen is almost completely, or completely, closed, it is called

- A) a blocked hymen.
- B) a fractious hymen.
- C) an imperforate hymen.
- D) a stringent hymen.

*Answer: C*  
*Page Ref: 47*  
*Skill: Factual*

38) Which of the following statements is true based on cross-species comparisons of female sexual structures?

- A) The hymen is usually found in females in most species of mammal and in many birds.
- B) The hymen is found only in the great apes and in humans.
- C) The hymen is found in most mammals, but has no known function.
- D) The hymen is not present in other primates and has no known function.

*Answer: D*  
*Page Ref: 47*  
*Skill: Factual*

39) The skin and tissue between the vaginal opening and the anus is called the

- A) perineum.
- B) prepuce.
- C) imperforate.
- D) episiotomy.

*Answer: A*  
*Page Ref: 47*  
*Skill: Factual*

40) The wing-shaped, leg-like structures that attach the clitoris to the pubic bone are called

- A) corpora cavernosa.
- B) clitoral crura.
- C) pubic-clitoral attachments.



D) clitoral bulbs.

*Answer: B*

*Page Ref: 47*

*Skill: Factual*

41) The vestibular bulbs and Bartholin's glands are

A) muscular rings.

B) corpora cavernosa.

C) active during sexual arousal.

D) essential for vaginal lubrication.

*Answer: C*

*Page Ref: 47–48*

*Skill: Conceptual*

42) The fluid of the Bartholin's glands

A) provides vaginal lubrication.

B) causes engorgement of vaginal tissues.

C) causes a form of sweating in the vagina.

D) has no known purpose.

*Answer: D*

*Page Ref: 48*

*Skill: Conceptual*

43) All of the following are functions of the vagina, *except*

A) menstrual flow.

B) passing babies.

C) accepting the penis during coitus.

D) urine flow.

*Answer: D*

*Page Ref: 48*

*Skill: Conceptual*

44) The vagina is

A) like a rigid muscular tube at rest.

B) usually only two inches long at rest.

C) only able to expand in width during sexual arousal or childbirth.

D) able to expand in length and width during sexual arousal.

*Answer: D*

*Page Ref: 49*

*Skill: Factual*

45) All of the following are true of the vaginal walls, *except*

A) they have three layers.

B) the moisture level may vary for individuals.

C) they are rich with blood vessels.

D) they are richly supplied with nerve endings.

*Answer: D*  
*Page Ref: 49*  
*Skill: Conceptual*

- 46) Douching and vaginal sprays
- A) are recommended for proper hygiene.
  - B) are generally ineffective.
  - C) can restore the natural chemical balance in the vagina.
  - D) can irritate the vagina.

*Answer: D*  
*Page Ref: 50*  
*Skill: Applied*

- 47) The Grafenberg spot is said to be located
- A) in the left wall of the vaginal canal (from a woman's perspective).
  - B) in the anterior (front) wall of the vagina.
  - C) in the posterior (back) wall of the vagina.
  - D) in the back of the vagina just below the cervix.

*Answer: B*  
*Page Ref: 49*  
*Skill: Factual*

- 48) All of the following are true of vaginitis, *except*
- A) vaginitis can only be prevented with antibiotics.
  - B) vaginitis means vaginal inflammation.
  - C) vaginitis may be caused by birth control pills.
  - D) vaginitis may be involve abnormal discharge from the vagina.

*Answer: A*  
*Page Ref: 50*  
*Skill: Applied*

- 49) The lower end of the uterus that connects it to the vagina is the
- A) cervix.
  - B) perineum.
  - C) endometrium.
  - D) fallopian tube.

*Answer: A*  
*Page Ref: 51*  
*Skill: Factual*

- 50) All of the following are true of the cervix, *except*
- A) its secretions contribute to the chemical balance of the vagina.
  - B) it expands in length during sexual arousal.
  - C) it expands to permit passage of a baby.
  - D) sperm pass through the cervical canal.

*Answer: B*

*Page Ref: 51*  
*Skill: Conceptual*

## **2.2 True/False**

1) The term pudendum refers to female external genitals.

*Answer: True*

*Page Ref: 41*

*Skill: Factual*

2) The skin of the labia majora is typically darker than the surrounding skin of the thighs.

*Answer: True*

*Page Ref: 42*

*Skill: Factual*

3) The labia minora merge at the hood of the clitoris.

*Answer: True*

*Page Ref: 43*

*Skill: Factual*

4) The tissue that partially covers the clitoral glans is the mons veneris.

*Answer: False*

*Page Ref: 41*

*Skill: Factual*

5) The clitoris is the only sex organ whose only known function is providing pleasure.

*Answer: True*

*Page Ref: 43*

*Skill: Conceptual*

6) The clitoris and penis are analogous but *not* homologous.

*Answer: False*

*Page Ref: 44*

*Skill: Conceptual*

7) In women, the urethra is the outside end of the tube leading from the bladder and located between the clitoris and vaginal opening.

*Answer: True*

*Page Ref: 44*

*Skill: Factual*

8) The location of the urethral opening poses hygienic problems for sexually active women.

*Answer: True*

*Page Ref: 45*

*Skill: Factual*

9) Men are less prone to urinary tract infections than are women.

*Answer: True*

*Page Ref: 46*

*Skill: Factual*

10) Drinking cranberry or orange juice can help reduce bladder inflammation.

*Answer: True*

*Page Ref: 46*

*Skill: Applied*

11) The hymen is only found in female horses and humans.

*Answer: True*

*Page Ref: 46*

*Skill: Factual*

12) Lubrication from Bartholin's glands is essential for coitus.

*Answer: False*

*Page Ref: 48*

*Skill: Conceptual*

13) The vagina is usually 3–5 inches long at rest.

*Answer: True*

*Page Ref: 48*

*Skill: Factual*

14) The vaginal walls are poorly supplied with blood vessels, but rich with nerve endings.

*Answer: False*

*Page Ref: 49*

*Skill: Factual*

15) The myometrium provides an external cover of the uterus.

*Answer: False*

*Page Ref: 52*

*Skill: Factual*

16) The female organ that produce sex hormones and where follicle cells are stored and released is referred to as the uterus.

*Answer: False*

*Page Ref: 54*

*Skill: Factual*

17) The amount of mammary glandular tissue largely determines breast size.

*Answer: False*

*Page Ref: 57*

*Skill: Factual*

18) Women who have a generally larger breast size do not produce more milk than women with a generally smaller breast size.

*Answer: True*

*Page Ref: 57*

*Skill: Conceptual*

19) The darker disk of skin encircling each nipple is called the victrola.

*Answer: False*

*Page Ref: 57*

*Skill: Factual*

20) Breast cancer involves lumps in the breast that are benign.

*Answer: False*

*Page Ref: 58*

*Skill: Factual*

21) It is normal for a woman to have one breast be slightly larger than the other.

*Answer: True*

*Page Ref: 58*

*Skill: Factual*

22) The risk of breast cancer greatly increases with age.

*Answer: True*

*Page Ref: 61*

*Skill: Conceptual*

23) Many physicians argue that women over the age of 20 should perform monthly breast self-examinations.

*Answer: True*

*Page Ref: 61*

*Skill: Factual*

24) Anti-breast cancer medicines, like tamoxifen, are able to lock into the estrogen receptor of breast cancer cells and block the effects of estrogen.

*Answer: True*

*Page Ref: 61*

*Skill: Factual*

25) The menstrual cycle involves a relationship between the brain, ovaries, and uterus.

*Answer: True*

*Page Ref: 64*

*Skill: Conceptual*

26) Progesterone causes the endometrium to thicken during the menstrual cycle.

*Answer: False*

*Page Ref: 65*

*Skill: Conceptual*

27) The endometrium is the lining to the uterus that thickens in anticipation of a possible fertilized ovum arriving.

*Answer: True*

*Page Ref: 65*

*Skill: Factual*

28) The typical age ovarian cancer is most likely to happen is between 40 and 70.

*Answer: True*

*Page Ref: 54*

*Skill: Factual*

29) The term climacteric refers to the gradual decline in the reproductive capacity of the ovaries.

*Answer: True*

*Page Ref: 69*

*Skill: Factual*

30) Estrogen deficiency has not been proven to have psychological effects on women.

*Answer: False*

*Page Ref: 70*

*Skill: Conceptual*

### **2.3 Short Answer**

1) List the external female sex organs.

*Page Ref: 42*

*Skill: Factual*

2) What is the difference between the labia majora and labia minora?

*Page Ref: 42–43*

*Skill: Conceptual*

3) List the four major types of female genital mutilation.

*Page Ref: 45*

*Skill: Factual*

4) List the parts of the female reproductive system.

*Page Ref: 45*

*Skill: Factual*

5) List the female internal reproductive organs.

*Page Ref: 49*

*Skill: Factual*

6) List the parts of an adult woman's breast as described in this chapter.

*Page Ref: 57*  
*Skill: Factual*

7) List the major glands of the endocrine system.  
*Page Ref: 64*  
*Skill: Factual*

8) List the phases of the menstrual cycle.  
*Page Ref: 65*  
*Skill: Factual*

9) List a few of the myths about menopause.  
*Page Ref: 72*  
*Skill: Factual*

10) List a few of the symptoms of PMDD.  
*Page Ref: 74*  
*Skill: Factual*

## **2.4 Essay**

1) Describe the four major types of female genital mutilations, what they are, and what it means.  
*Page Ref: 45*  
*Skill: Conceptual*

2) Describe what cystitis is and the precautions that may help women prevent inflammation of the bladder.  
*Page Ref: 46*  
*Skill: Conceptual*

3) Describe what the hymen is and the different types of hymens described in this chapter, as well as what the different types of hymens mean.  
*Page Ref: 47*  
*Skill: Factual*

4) Describe the structures that underlie the female external sex organs from this chapter and where they are located.  
*Page Ref: 48*  
*Skill: Factual*

5) Describe what the Grafenberg spot is and where it is located.  
*Page Ref: 49*  
*Skill: Conceptual*

6) Describe vaginitis, how it happens, and the ways that it can be prevented.  
*Page Ref: 50*

*Skill: Factual*

7) Describe endometrial cancer and the risk factors, as well as the factors that help protect against it.

*Page Ref: 52–53*

*Skill: Conceptual*

8) Describe ovarian cancer and the risk factors, as well as the factors that help protect against it.

*Page Ref: 54*

*Skill: Conceptual*

9) Describe breast cancer and the risk factors, as well as the recommendations for breast cancer screening.

*Page Ref: 59*

*Skill: Conceptual*

10) Describe the phases of the menstrual cycle, including how long each phase lasts.

*Page Ref: 65*

*Skill: Factual*