

## **Review Questions for Male Reproductive System:**

1. *What are the primary functions of the male reproductive system?*
2. *What are gametes? What is the male gamete?*
3. *What are androgens? What is the most abundant androgen?*
4. *What and where is the scrotum? What is its function?*
5. *What does the scrotum contain?*
6. *How does the temperature of the scrotum differ from that of the body core?*
7. *What is the advantage of this temperature difference?*
8. *How is this temperature difference maintained?*
9. *What is the function of the cremaster muscle?*
10. *What 2 tunics surround each testis?*
11. *What are testicular lobules? What separates them?*
12. *What are seminiferous tubules? What is their function?*
13. *What are interstitial cells? What is their function?*
14. *What vessel takes blood to the testes? What vessel takes blood away?*
15. *What is the pampiniform plexus? What is its functional significance?*
16. *What is the spermatic cord?*
17. *What constitutes the male external genitalia?*
18. *What and where is the penis? What are its functions?*
19. *What are the external regions of the penis known as?*
20. *What is the prepuce? When is it removed?*
21. *What portion of the urethra does the penis contain?*
22. *What are the erectile tissues of the penis? What are they composed of? What is their function?*
23. *What and where are the epididymides? What is their function?*
24. *What propels sperm from the seminiferous tubules into the epididymides? What network of tubes links the seminiferous tubules to the epididymides?*
25. *What is the function of the smooth muscle in the epididymides?*
26. *What and where are the vas deferentia? What are the ductus deferentia?*
27. *What and where is the inguinal canal?*
28. *What and where is the duct of the seminal vesicle?*
29. *What and where is the ejaculatory duct?*
30. *What and where is the male urethra? What are its functions?*
31. *What and where are the divisions of the male urethra?*
32. *What and where are the internal and external urethral sphincters?*
33. *What and where are the internal and external urethral orifices?*
34. *What and where are the seminal vesicles? What is their function?*
35. *What % of semen is composed of seminal fluid?*
36. *What are the important contents of seminal fluid? What are their functions?*
37. *What and where is the prostate gland? What is the function of the prostate gland?*
38. *What % of semen is composed of prostatic fluid?*
39. *What are the important contents of prostatic fluid? What are their functions?*
40. *What and where are the bulbourethral glands? What is their function?*
41. *What is an alternative name for the bulbourethral glands?*

42. *What is the function of semen?*
43. *What are the 3 main components of semen?*
44. *What is the reflex pathway of an erection? What role do parasympathetic nerves, nitric oxide, penile arterioles, and penile venules play in the erectile response?*
45. *What is the reflex pathway of an ejaculation?*
46. *What is mitosis? Where and when does it occur?*
47. *What is meiosis? Where and when does it occur?*
48. *What is a diploid cell?*
49. *What is a haploid cell?*
50. *What is a germ cell?*
51. *What is a zygote?*
52. *What is spermatogenesis? Where and when does it occur?*
53. *What is spermiogenesis? Where and when does it occur?*
54. *What are spermatogenic cells? Where are they found?*
55. *What are spermatogonia? Where are they found and what is their function?*
56. *What is the difference btwn type A and type B spermatogonia?*
57. *What is meiosis I? What is meiosis II?*
58. *What is a primary spermatocyte? How is it formed? Where is it found?*
59. *What is a secondary spermatocyte? How is it formed? Where is it found?*
60. *What is a spermatid? How is it formed? Where is it found?*
61. *What is a spermatozoon?*
62. *How many sperm cells are produced from the spermatogenesis of a single spermatogonium?*
63. *How does a sperm cell differ from a spermatid?*
64. *What are sustentacular cells? What is their function?*
65. *What are the 3 major components of a sperm cell? What are their functions?*
66. *What is GnRH? What organ releases it? What is its target organ? What does it cause?*
67. *What is FSH? What organ releases it? What stimulates its release? What is its target organ? What does it cause?*
68. *What is testosterone? What releases it? What stimulates its release? What does it do?*
69. *What is ABP? What releases it? What stimulates its release? What does it do?*
70. *What is inhibin? What releases it? What stimulates its release? What does it do?*