Review Sheet

1. What does the reproductive system consist of?
2. What are the male and female gonads?
3. What are the accessory reproductive organs?
4. List the male reproductive organs and what they produce.
5. List the male accessory reproductive organs and their functions.
6. State where the testicles are located.
7. What are the dartos and cremaster muscles composed of and what are their functions?
8. What is the spermatic cord composed of?
9. List the two tunics of the testes.
10. What is contained in the lobules of the testes?
11. Define spermatogenesis and state when it occurs.
12. List the cells formed during spermatogenesis and what processes are involved in their formation.
13. Describe a sperm cell and what each region contains.
14. What are the functions of sustentacular or Sertoli cells and the interstitial or Leydig cells?
15. Describe the duct system from the seminiferous tubules to the epididymis.
16. Where is the epididymis located, what is it composed of and what is its function?
17. What is the path of sperm from the ductus deferens to the urethra?
18. What propels sperm into the urethra during ejaculation?
19. What is the function of the urethra?
20. List the accessory glands of the male and state what they produce.
21. What do the seminal vesicles secrete, what is the volume of semen, and what is the function?
22. What happens to sperm and seminal fluid during ejaculation?
23. Describe the secretions of the prostate gland and the volume of semen.
24. Where do sperm go from the prostate gland during ejaculation?
25. Describe the secretion of the bulbourethral glands and state where it is released and its function.
26. What are the male external genitalia?
27. Define glans penis and prepuce.
28. List the three columns of erectile tissue and what they are composed of.
29. What prevents urine from being expelled during ejaculation?
30. What is the brain-testicular axis?
31. When are LH and FSH produced and what are their functions?
32. What is the relationship between testosterone, GnRH and LH?
33. When is inhibin produced and what is its function?
34. What are the functions of the ovaries?
35. List and state the function of the accessory ducts.
36. Describe the functions of the ovarian, suspensory, and broad ligaments.
37. What are the two indistinct regions of the ovary and what are they composed of?
38. Define oogenesis.
39. When does oogenesis begin?
40. List and describe the cells produced during oogenesis.
41. What cells in oogenesis are females born with?
42. State the number of primary follicles that reach full development each month.
43. Describe the cells formed by meiosis I and meiosis II.
44. Define ovulation.
45. Where does fertilization occur?
46. What is the composition of the uterine tube wall and what are the functions of its components?
47. What is the function of the fimbriae?
48. What are the functions of the uterus?
49. Define antevorted.
50. What are the ligaments that support the uterus?
51. List the three layers of the wall of the uterus and their composition.
52. What are the two layers of the endometrium and state their functions.
53. What supplies blood to the uterus?
54. Where is the vagina located?
55. Define hymen.
56. List the three coats of the vaginal wall, their functions and what they are composed of.
57. List the female external genitalia.
58. What is the function of Bartholin's gland?
59. Define clitoris and what it is composed of.
60. List the three phases of the ovarian cycle and when they occur.
61. What secretes the hormones that regulate female reproductive function and what are their effects?
62. What are the female sex hormones and what plays a primary role in their production?
63. Describe the ovarian cycle in reference to the roles of LH and FSH.
64. What causes thickening of the endometrium?
65. What causes ovulation?
66. What is the effect of LH on follicular cells?
67. What inhibits release of FSH and LH from the anterior pituitary?
68. What occurs when the corpus luteum degenerates?
69. What causes menstruation?
70. List and define the three phases of the uterine cycle and their relationships with the phases of the ovarian cycle.
71. Define mammary glands.
72. Describe the lobes of the mammary glands.