Study Guide Lecture Exam 1

1. This Exam includes Chapter 1 – 4.
2. Study the important diagrams in these chapters, mentioned in the study guides.
3. Study the recaps used during lectures.
4. Study the quizzes.
5. Study the practice test 1 except questions from chapter 5 – the integumentary system.

**Important small answer questions:**

6. I can make small answer questions from recaps. If you go through the objectives you know you understand most important topics of the chapter. Some examples are:

7. Describe anatomical position.
8. Describe loose and dense connective tissues.
9. Define transcription and translation and where they take place in the cell.
10. Distinguish between chromatin and chromosomes.
11. Compare and contrast DNA and RNA.
12. What is homeostasis? Give example.
13. What are negative feedback mechanisms?
14. Write the organization levels in serial order.
15. Name 2 supportive connective tissues and give one example of each.
16. Give characteristics of 3 kinds of muscle fibers.
17. Name 2 kinds of neural cells and give their functions.
18. Give 1 function of mitochondria, SER, RER, Golgi apparatus, ribosomes, nucleolus and centrioles.
19. Name 3 sub-phases of Interphase. In which phase DNA gets double.
20. Name 4 phases of mitosis. Give 1 important characteristic of each phase.
21. Name 2 main phases of cell-cycle. Name the process that divides cytoplasm.
22. Give significance of mitosis or meiosis.
23. Write 3 things you know about cancer.