

Hoffman

STUDY GUIDE

This guide is intended to help you direct your attention to material covered in class. If by error I have failed to include something on this guide that was covered in lecture, it does not mean it will not be on the test. All material on your Powerpoint handouts may be on your test. I have intended to make this guide comprehensive but it is NOT a *guide* to the questions on the test.

Chapters 6 and 9

BONE

1. Name the functions of the skeletal system.
2. How are bones classified according to shape?
3. What are the diaphysis, epiphysis, periosteum and endosteum of a bone?
4. What makes bone hard? What makes bone flexible?
5. Name the four types of bone cells. Know their function.
6. What are trabeculae? How are they oriented in bone?
7. Compare compact and spongy bone. Define an osteon.
8. How do endochondral and intramembranous ossification differ?
9. Know the stages of endochondral ossification.
10. What is the function of the epiphyseal plate?
11. How do PTH and Calcitonin affect blood calcium?
12. Know the steps of bone fracture repair. Bone growth is influenced by which hormones?
13. What are osteopenia, osteoporosis, achondroplastic dwarfism and rickets?

JOINTS

14. What is a symphysis? What is a synchondrosis? Where are these found?
15. What is a fibrous joint? Where are they found?
16. Where do sutures and gomphosis appear in the body?
17. Describe synovial joints (diarthroses). Include function.
18. What are menisci, fat pad, bursa and cruciate ligaments. Where are they found?
19. Know what movements are possible at synovial joints.
20. How are synovial joints classified? Know examples of where they are found.
21. Compare osteoarthritis to rheumatoid arthritis.
22. What is a slipped disc?
23. What is a ganglion cyst?
24. Understand the vocabulary relating to the movement of joints Ex: Pronation, eversion, inversion, protraction, etc.