

**STUDY OBJECTIVES
BIOLOGY OF AGING
FINAL EXAM**

The student should be able to.....

1. Discuss changes that occur in the nervous system with age. You should include a discussion on reflex action, processing and retrieving information, memory.
2. Discuss the symptoms, causes of, and outcome/treatment of Huntington's disease.
3. Discuss the symptoms, causes of, and outcome/treatment of Parkinson's disease.
4. Discuss the symptoms, causes of, and outcome/treatment of Alzheimer's disease. Include in your answer what "tangles and plaques" are, amyloid protein, and the function of ubiquitin, and how these might relate to Alzheimer's symptoms.
5. Discuss what cancer is and how it might be caused. How is aging associated with cancer?
6. Describe some of the things that one can do to age "normally and successfully". Try to relate what you say or suggest to the "theories of aging" (i.e., oxygen radical theory, immune theory, mutation theory,).
7. Have a happy and healthy aging process, and think about all that you have learned this semester as you travel through the course of life!!!!