

Place your name on the back of this sheet of paper and nowhere else. Staple your answers on the front of this sheet of paper. Failure to follow these directions will cost you 1 point. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to type it will cost you 10 points. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

- 1) (25 points) Some people feel we should spray the insides of houses with DDT to stop the spread of malaria. What are the costs and benefits of this? Would you do this? Explain your logic.
- 2) (20 points) What is the epidemic transition? Explain why the deaths change from one stage to another.
- 3) (15 points) What is the difference between HALE and then traditional life expectancy? Which would you rely on if you were researching a country? Explain your logic.
- 4) (20 points) If you were the ruler of a country with a bad HIV/AIDS problem, what two actions would you take to reduce the problem? How would they work?
- 5) (20 points) What can be done to fight the resurgence of tuberculosis? Explain how that will help fight it.