

Write your name on the cover of the test booklet and nowhere else. Enclose this sheet with the booklet. Failure to follow these directions will cost you 1 point. The test has 100 points (to be scaled up to 150 points) and is scheduled to take 50 minutes. Therefore, expect to spend 1 minute for every 2 points. For example, a 12-point question should take 6 minutes. I cannot give extra time because of the class which follows yours.

1) (10 points) Answer EITHER Part A OR Part B.

A) What is the difference between *morbidity* and *mortality*?

B) What has happened to life expectancy over the 20th century? Why did it occur?

2) (10 points) Answer EITHER Part A OR Part B.

A) If the crude birthrate is 12 *births per thousand population* and the crude death rate is 10 *births per thousand population*, then what is the *rate of natural increase*? Approximately, how many years will it take for the population to double if there is no international migration in either direction? Show all work for both parts and BRIEFLY explain what you did.

B) Is a large *dependency ratio* good or bad? Explain your logic.

3) (12 points) For EITHER *manpower planning* OR *credentialization*, define the term. In general, is that normally a good thing or a bad thing? Explain your logic.

4) (18 points) What do you feel is the best method for reducing population growth? How does that method work? What makes that method better than some of the other alternatives.

5) (20 points) Answer EITHER Part A OR Part B.

A) What are TWO of the differences between the private and the social rates of return to education? For each of them, would that cause too much education or too little education to be achieved? Explain your logic.

B) For EITHER nutrition OR health care, how would you reduce the problem? Explain what you would do, how it would work, and how you would finance it.

6) (30 points) Answer EITHER Part A OR Part B.

A) Draw the three labor supply and demand diagrams for the urban formal sector, the urban informal sector, and the rural sector. Illustrate an increase in marginal productivity of labor in the **informal sector**. Explain why the curve(s) moved as drawn. If a diagram has no movement of either line, then briefly state why the curves do not move.

B) We wrote an equation which predicted internal migration. Write that equation. There are two reasons why the equation is not realistic. What are those two problems? Explain them.