

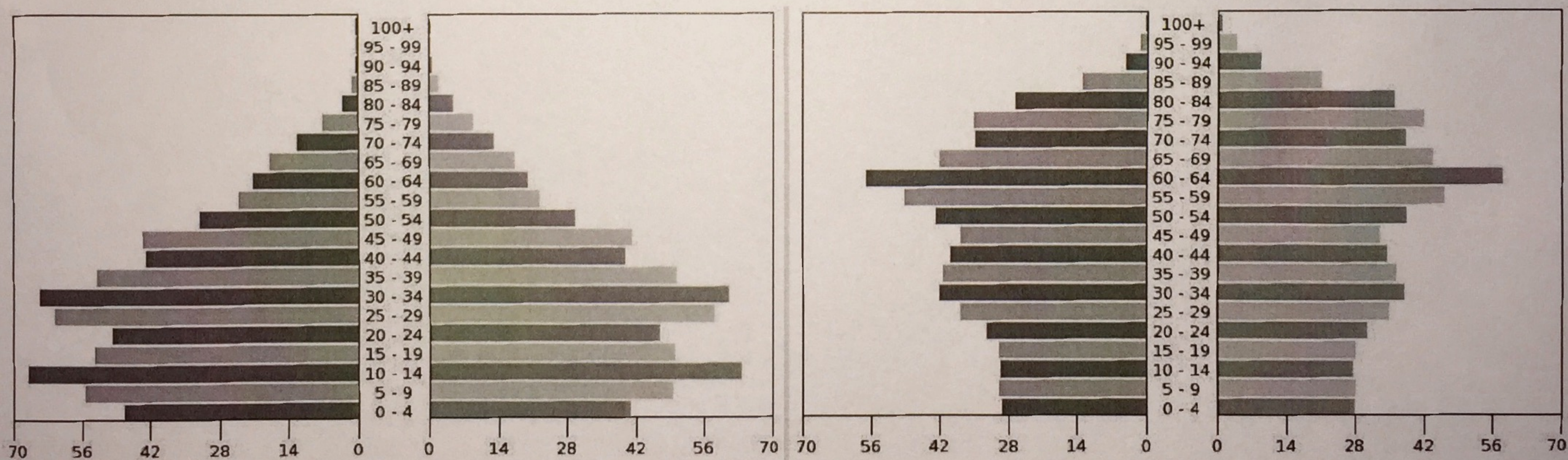
GEOG 106: Winter 2016

Midterm Exam

Read these **BEFORE** you proceed further:

- Your responses are due before 11:50 am on Thursday, November 3rd
- DO NOT email me your response—unless you have prior approval from me.
 - A staple on the top left corner to hold the sheets together will be enough
 - Bring them to my office (HSS 219) or give it to a responsible person in the Social Science Division office.
- This is an open-book (well, open-readings), open-notes test.
 - Make sure you provide details on the references that are outside of the class materials.
- Thou SHALL NOT consult with anybody
 - Violating this will result in severe penalties for the offenders.
- A well-crafted answer (*per question*) may be articulated in about 500 words
- In developing your answers:
 - There is always a chance that you might have to integrate your understanding of ideas across the contents of more than one week.
 - Bring in appropriate keywords/concepts, and evidence from the readings
 - When discussing keywords/concepts, do not merely copy/paste them from websites; explain your understanding of those ideas in your own words.
 - Provide logical arguments that carefully examine the pros and the cons
 - DO NOT merely provide your reflective opinions
 - Avoid rhetorical statements and metaphors
- Answers should be word-processed and *double-spaced*.

1. Freedonia's population pyramids for the years 2000 and 2050 are provided below. (Age is represented on the Y-axis, and the population count in hundred-thousands is shown along the X-axis.) Based ONLY on the data provided in the graphics, what can you infer about the trends in fertility rates in those time periods? At what stage of the demographic transition will Freedonia be in 2050?



2. Is the article about exports of flowers from Colombia (*NOT Columbia*) consistent with, or contradictory to, the model that Johann von Thunen proposed?
3. People express a preference for solar energy because of its advantages over carbon-based sources of energy. If the US is a market economy that "I, Pencil" essay describes, why then is there a need for government subsidies for solar energy, in contrast to how a pencil "miraculously" appears on store-shelves without any government involvement?