ARU Logic Final Exam

September, 2024 Harry Binswanger

This exam is due by October 1 at 12 pm pacific. You cannot use notes, references, the internet, or an AI Chat (!).

1. Thinking in principles entails thinking in examples.

Define "example." (6 pts)

For each of the below, give three good examples and 3 bad examples, explaining, in each case, what makes each bad one bad.

The products of Progressive education can't think. (You may assume that the average American under 40 years of age is such a product.)
 Good examples (2 pts) Bad examples (2 pts) Why it's bad (2 pts)
a)

b)

c)

Emotions come from ideas.
Good examples (2 pts) Bad examples (2 pts) Why it's bad (2 pts)
a)

b)

c)

The U.S. today is not capitalism.
Good examples (2 pts) Bad examples (2 pts) Why it's bad (2 pts)
a)

b)

c)
Art is a selective re-creation of reality according to an artist's metaphysical value-judgments.
Good examples (2 pts) Bad examples (2 pts) Why it's bad (2 pts)
a)

b)

c)

2. Simplify each proposition ((5 pts each):

a. One can observe the onset of a series of more or less deliberate, more or less co-ordinated, series of measures, in all the areas in which there is a state-individual dominance issue, tilting the balance more in the direction of the former than the latter.

b. A comparison of the intensity or pervasiveness of the rate of progress in economic development among two or more political units--bearing in mind that by "political units" one means a national entity, rather than a subdivision (such as a state, province, or municipality)--would reveal that, as a principle (i.e., allowing for temporary or accidental interfering factors), one can easily find a general corarelation obtaining wityh said units' degree of societal freedom.

3. What is the fallacy or fallacies in each of the following (4 pts each = 48 points):
a) The notion of a non-material consciousness is a negation of axioms.
b) Einstein proved that space is curved.
c) Socialism is the system based on solidarity.
d) Since the L.A. police didn't perform a rape test on Nicole Brown's body, we canot rule out the possibility that she was guilt by an unknown rapist.
e) He was killed by being fed a very fatal poison.
f) The tax code, by its loopholes, amounts to welfare for the rich.
g) Every short sentence is misleading.
h) It was never a problem for Peter or I that the current classroom has less windows than the old one did.
i) The welfare state leads to unacceptably high levels of uemployment.
j) The individual is a product of his society.
k) You have a lottery ticket, and no one can show you won't win, therefore you might win.
l) You have a lottery ticket, and one ticket is toing to win, so it is not impossible that you win, and maybe you will.

4. What is "The Law of Rationality"? (6 pts)

5. Explain the "Burden of Proof" principle. (6 pts)