

**Phil. 110: Logic & Crit. Thinking FINAL PRETEST Spring 06**

I. (10 points) Completion. Fill in the blank as needed.

1. All concepts are \_\_\_\_\_ to some degree or other.
2. If a definition (the definiens) includes the word being defined (the definiendum) then the definition is said to be \_\_\_\_\_.
3. If p and q are related such that they cannot both be true but could both be false then they are called \_\_\_\_\_ propositions.
4. Put a conclusion indicator word in the blank \_\_\_\_\_.
5. An A categorical statement distributes its \_\_\_\_\_ term.

II. (10 points). For exactly two of the following sentences, identify the propositions it expresses and asserts (Be explicit).

1. Alan Watts is either a genius or a charlatan but he's not a Buddhist.
2. Wittgenstein is convinced that the world is all that is the case and that what is the case is not false.
3. Although Bob believes that Lindh is guilty, Joe is aware Lindh may be convicted in court.

III. (12 points). For each of the following pairs of sentences determine whether they are contraries, contradictories, or not in conflict.

1. (a) Everybody who lives in Mankato received a "Jesus" video.  
(b) Tom lives in Mankato and he did not receive a "Jesus" video.
2. (a) No students missed the orientation session.  
(b) At least one student missed the orientation session.

3. (a) All jiggies are valuable.

(b) Some jiggies are valuable and some aren't valuable at all.

4. (a) There's a bake sale on Friday at MSU.

(b) There's a bake sale on Friday and Tuesday at MSU.

IV. (10 points). For each of the following arguments, identify the premise and conclusion and then identify the assumed or implicit premise.

1. There is a Cartesian-type self only if our private experiences are completely

veridical. It's clear then that there is no Cartesian-type self.

2. Since creationism is not good science unless the Bible is the direct word of

God, we must conclude that creationism is not good science.

V. (12 points). Identify exactly 8 fallacies from the following 10.

1. Miracles are impossible because they cannot happen.

2. Every player on the MSU hockey team is an excellent hockey player. Therefore, the MSU hockey team is going to be an excellent team this year.

3. Harvard University has an unparalleled record of scholarship. Therefore, Professor Nozicky, who is on the faculty at Harvard, must be an excellent scholar.

4. Senator X: Mr. South, did you make profitable investments with the money you obtained through your unethical use of government funds?

5. Atheists have tried to disprove the existence of God but they have yet to succeed. Since there is no disproof, I conclude that God exists.

6. Al: I know what caused the market crash of '52. Bob: What? Al: The sleeping problems of the director of General Motors. Bob: What do the sleep habits of the director of General Motors have to do with the stock market? Al: It crashed didn't it?

7. Every time I wash my car, it starts to rain shortly thereafter. Therefore, my car-washing activities are causing outbursts of precipitation in the clouds.

8. I was just brought up to believe that everyone ought to have the freedom to do as they please and I have never wavered from this belief; therefore, it must be correct.

9. Smith's case against heterosexual marriage should be rejected, for everyone knows he is a transsexual.

10. The principle of sufficient reason is a sound reasoning principle, for it is basic to every system of reasoning in every modern culture.

VI. (10 points). MAKE THAT MOVE. Exactly two of the following admit of makable moves. Find those two and "make those moves".

1. Some S are not A. Thus, some non-A are S.

2. All A are B. Thus, some A are non-B.

3. No N are R. Thus, some non-R are N.

VII. (18 points). Determine the mood and figure of the following syllogisms and then test each for validity. Use a Venn diagram on 1, our rules on 2, and 3 by any of our methods that you wish (Venn, rules, or Ladd-Franklin anti-logism test).

**All P are M**

**Some S are not M**

**Some S are P No M are P**

**All S are M**

**No S are P**

**All P are M**

**No S are M**

**No S are P**

VIII. (14 points). Put the following categorical syllogism into standard form, give mood and figure, and test it for validity by Venn diagram. Make your verdict explicit and specify what your terms stand for in each case.

No humans know the trouble I've seen; it's false that no aliens know the trouble I've seen; it follows that some humans are not aliens.

IX. (9 points). For each of the following, determine whether the argument form is valid. Make your verdict explicit.

p if q  
Not p  
Not q p if and only if q  
q  
p

If p then q  
If q then r  
If p then q