

Please answer the questions in your bluebooks. Answer each question as completely as you can. Partial credit will be given for partially correct answers. . If you answer more than the minimum number in each section, all will be graded and only your best answers will be counted.

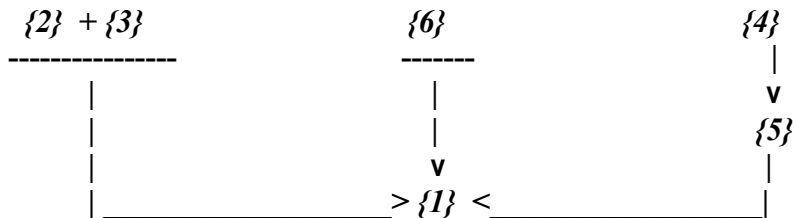
Section 1 (100 points: each question worth 20 points, and you must answer at least 5):

- 1) Write an example of the perfectionist fallacy, and also write an example of the argument from common practice fallacy.

Many possible examples exist.

- 2) Draw the diagram that shows the relationships between the premises and conclusion(s) in the following argument. You may want to add one or more unstated premises.

“{1} America should have more alcoholics. Here's why. {2} Drinking alcohol makes you feel good, and {3} Americans deserve to feel good. {4} Alcoholic legislators will spend more time in bars and {5} less time passing bad laws that hurt people. {6} If I want to be an alcoholic and I don't hurt anyone else, then I should be able to do what I want.”



- 3) In each case below, indicate which person has the greater burden of proof, and **explain why.** (Note, case D is on the next page)

A) *Mr. Smartypants*: The pyramids in Egypt were built to store grain thousands of years ago. Where else could they have put all that grain?

Ms. Knowitall: Actually the evidence shows that the pyramids were built as tombs.

Mr. Smartypants; he is making a claim that runs contrary to the commonly accepted explanation.

B) *Mrs. Dr. Taylor:* I like my new car; it's awesome.
Dr. Taylor: Actually, the Toyota Prius is the best car in the world.

Dr. Taylor; his claim is implausible, so the burden of proof lies with him.

C) *President Obama:* The Canadians are secretly building weapons of mass destruction. This must stop, one way or another!
Canadian Ambassador: That's ridiculous, we're doing no such thing.
President Obama: Oh yeah? Put your money where your mouth is. Prove you don't have any weapons of mass destruction!

President Obama; he's the one making a claim, he needs to prove it.

D) *Prof. Morado:* It's well known that most of the Earth's atmospheric oxygen is produced by photosynthesis.

Dr. Pflanze: According to my new theory, most of the oxygen is released during volcanic eruptions.

Dr. Pflanze; She is making a claim contrary to an accepted scientific explanation.

4) Of the three passages below, two are examples of the *red herring* fallacy, and one is not. Identify which one is not, and explain in what way it does not meet the definition of *red herring*

A) I don't see why you get so upset about my driving after I have a few drinks. It's not such a big deal. Look at all the accidents that are caused by people talking on cell phones while driving.

B) Is this new tax bill fair to large employers (50+ employees) compared to small employers (6 – 49 employees)? How can we tax bigger businesses more unless we first know if employees of those businesses have better working conditions than are found in small businesses.

C) I don't think humans are the cause of global warming. We know that variations in energy output by the Sun can lead to climate changes here on the Earth.

A and B are red herrings. C is not a red herring. Whether you think humans are responsible for global warming or not, the potential that solar variations could contribute to global warming is at the very least relevant and worth thinking about. That makes it not a red herring.

- 5) Evaluate the following categorical syllogism, using *either* the rules method or the Venn diagram method.

No antiheros are hussars.
Some cobblers are antiheros.
Therefore, some cobblers are not hussars.

Rules method: 1) *there is one negative in the two premises, and the conclusion is negative, so Rule 1 is obeyed.* 2) *The middle term is antiheros, and it is distributed in at least one premise – it is distributed in the first premise.* 3) *In the conclusion the only term being distributed is hussars, so it must be distributed in at least one premise, and it is distributed in the first premise. All three rules are obeyed, so the categorical syllogism is valid.*

- 6) Translate the following statements into standard form categorical claims **and** specify which type of claim each one is.

- A) Only matinees are half-priced. *All half priced movies are matinees (type A)*
B) No dictators rule justly. *No dictators are just rulers. (type E)*
C) We can leave whenever you want. *All the times you want to leave are times when we can leave. (type A)*
D) Causing unnecessary suffering on innocent people is always wrong. *All times unnecessary suffering is inflicted on innocent people are times when something wrong is being done. (type A)*
E) Scientists are mostly libertarian. *Some scientists are libertarians. (type I)*

- 7) For each of the following arguments, write out the unstated premise that is necessary to make it a valid argument.
- A: The wind is from the South today, so it will be raining soon. **Anytime the wind is from the south it rains.**
 - B: The President's lips are moving, therefore he's lying. **If the president is moving his lips he is lying.**
 - C: Stacy and Jamal are on the brink of divorce. They're always fighting. **People who fight are on the brink of divorce.**
 - D: Don't take any math classes unless you have to – math is hard. **You should not take hard classes.**
 - E: Alex and Mike have tons of leftovers, so their party couldn't have been very good. **Parties with lots of leftovers aren't good parties.**
- 8) Look at the picture on the screen. Write one inductive argument *and* one deductive argument about what you see in the Figure, and explain why the first argument is inductive and the second deductive.

Many examples are possible.

Section 2 (20 points: each question worth 2 points and you must answer at least 10):

For each of the following, identify which fallacy is being used. You can give a brief, one sentence explanation of your reasoning.

- 1) I thought you were a smart person, but I didn't see you in class yesterday. **Ad hominem, circumstantial**
- 2) The Nazi government developed the Volkswagen Beetle, therefore you should never buy a Beetle. **Genetic fallacy**
- 3) My doctor told me I should quit smoking. There's no way that's going to happen – I saw her out in the parking lot having a smoke not 30 minutes later. **Ad hominem-hypocrisy**
- 4) Bungee-jumping is dangerous because it is unsafe. **Begging the question.**
- 5) You really owe me – I lost my job and had my car repossessed because of you. **Argument from pity.**
- 6) If we start requiring registration of handguns, the next thing you know they'll be totally illegal. **Slippery slope.**
- 7) “Dad, I like Esmerelda, why shouldn't I room with her?” “Because I'll cancel your cell phone if you!” **Scare tactics**
- 8) Of course drinking green tea is good for you. It it wasn't, how could it be so beneficial? **Begging the question.**
- 9) We know evolution is false because we didn't evolve from monkeys. **Straw man**
- 10) A news story on the FOX News website reported that over one-third of Democratic senators have committed ethics violations, but you can't believe that, FOX News is part of the vast, right wing conspiracy. **Genetic fallacy.**
- 11) Millions of people have seen UFOs – there must be *something* to it. **Argument from popularity.**
- 12) Clearly, Senator Washbuckle is the most corrupt politician in the history of the country. **proof surrogate**
- 13) We have never had government bailouts of banks in this country, and we don't need any now. **Argument from tradition.**
- 14) Before moving on to my opponent's turn to speak, let me remind you that those who don't agree with me really don't care about America. **Poisoning the well**
- 15) It would take an unusually intelligent jury to see the facts clearly in this case. I'm glad we have that kind of jury today. **Apple polishing.**