

**Instructions:** Write name legibly. Explain so that smart people who have not taken our class will understand.

**Place a checkmark by each of the following sentences that express a proposition.**

- |   |   |
|---|---|
| <input type="checkbox"/> I overcooked the popcorn.  | <input type="checkbox"/> Jefferson Beauregard Sessions is a woman.      |
| <input type="checkbox"/> Will Henry get divorced?   | <input type="checkbox"/> It was humid in there.                         |
| <input type="checkbox"/> No one can stop you.   | <input type="checkbox"/> My friends went to that café to study.         |
| <input type="checkbox"/> The government destroyed the wall.   | <input type="checkbox"/> If only children knew more than their parents! |
| <input type="checkbox"/> If Nicki Minaj were not a rapper, Neil Patrick Harris would not be an actor.                       |   |
| <input type="checkbox"/> The officials did not give the group permission to continue the protest because they were violent. |   |

**Which of the following sentences are true? Which are false?**

- |      |       |  |
|------|-------|--|
| True | False | All arguments have at least one premise.                           |
| True | False | All arguments have exactly two premises.                           |
| True | False | It is possible for an argument to have no premises.                |
| True | False | It is possible for an argument to have only one premise.           |
| True | False | It is possible for an argument to have only two premises.          |
| True | False | It is possible for an argument to have one hundred premises.       |
| True | False | It is impossible for an argument to have no premises.              |
| True | False | It is impossible for an argument to have exactly seven premises.   |
| True | False | All arguments have exactly one conclusion.                         |
| True | False | All arguments have at least two conclusions.                       |
| True | False | It is possible for an argument to have no conclusions.             |
| True | False | It is possible for an argument to have two conclusions.            |
| True | False | In an argument one accepts one proposition on the basis of others. |
| True | False | In an argument one accepts one sentence on the basis of others.    |

**Explain the definition of an argument.**

**In each of the following arguments, identify the premise(s) and the conclusion.**

(a) *If the stock market never fluctuated, then stock would have no market risk. Of course, the market fluctuates! So, the stock market has some risk..*

(b) *If utilitarianism is true, ...then it is better that people should not believe in utilitarianism. If, on the other hand, it is false, then it is certainly better that people should not believe in it. So either way, it is better that people should not believe in it. (B. Williams, Morality: Introduction to Ethics)*

*(c) Pregnant women should never use experimental drugs for such a use may have a detrimental impact on the development of the fetus.*

*(d) Since the good, according to Plato, is that which furthers a person's real interests, it follows that in any given case when the good is known, people will seek it. (A. Stroll, R. Popkin, Philosophy and the Human Spirit)*

*(e) Artists and poets look at the world and seek relationships and order. But they translate their ideas to canvas, or to marble, or into poetic images. Scientists try to find relationships between different objects and events. To express the order they find, they create hypotheses and theories. Thus the great scientific theories are easily compared to great art and great literature. (D.C. Giancoli, The Idea of Physics)*

*(f) The fact that there was never a land bridge between Australia and mainland Asia is evidenced by the fact that the animal species in the two areas are very different. (T. D. Price, G.M. Feinman, Images of the Past)*

*(g) The classroom teacher is crucial to the development and academic success of the average student, and administrators simply are ancillary to this effort. For this reason, classroom teachers ought to be paid at least the equivalent of the administrators at all levels.*

*(h) It would be immoral and selfish not to use animals in research today, given the harm that could accrue to future generations if such research were halted.*

**Fill in the conclusions for the following arguments.**

*John will take either Ann or Betty to a restaurant.*

*John will not take Ann out, since she is already going out with Ken.*

So, \_\_\_\_\_.

*If Philadelphia Eagles win the game with Dallas Cowboys they will enter the playoffs.*

*The Eagles did not enter the playoffs.*

So, \_\_\_\_\_.

*All spaniels have long ears.*

*Missy is a spaniel.*

So, \_\_\_\_\_.

*You can't go wrong on this salad: if you follow the recipe, it will be perfect.*

*The salad did not turn out perfect.*

So, \_\_\_\_\_.

*If it rains, Abe always takes an umbrella.*

*If Abe takes an umbrella, he's uncomfortable. Yesterday, Abe was not uncomfortable.*

So, \_\_\_\_\_.

*If you get either 85 or 86 points on a quiz you get a B.*

*Al got 85 points on a quiz.*

So, \_\_\_\_\_.

*If it either rains or snows, Joe never goes out.*

*Joe did go out yesterday.*

So, \_\_\_\_\_.

*All metals conduct electricity.*

*But no sotones conduct electricity.*

So, \_\_\_\_\_.

*All science involves philosophy.*

*All philosophy involves value judgments.*

So, \_\_\_\_\_.

**Identify the conclusion and all the (including the hidden) premises in the following arguments.**

*(a) Sally has never received a violation from the Federal Aviation Administration during her 16-year flying career. Sally must be a great pilot. (LSAT, Sample)*

*(b) The government of Zunimagua has refused to schedule free elections, release political prisoners, or restore freedom of speech; therefore, no more financial aid from the United States should be provided to Zunimagua. (LSAT, Sample)*

*(c) Pregnant women should never use experimental drugs for such a use may have a detrimental impact on the development of the fetus.*

*(d) Russia's aggressive fishing in the prime fishing grounds of the Northern Pacific has led to a sharp decline in the populations of many fish and a general increase in the retail price of fish. This same pattern has occurred with far too many of our scarce vital natural resources, resulting in high prices for many products. It is likely then, that fish prices will continue to rise in the near future. (LSAT, Sample)*

**In making the argument above (d), the author relies on all of the following assumptions except:**

- (i) The scarcity of fish is a determining factor in its price.
- (ii) The decline in the number of fish available will result in higher prices for fish in stores.
- (iii) There will not be any substantial decrease in other costs involved in the fishing process that could keep the price of fish from increasing.
- (iv) Fish populations will not recover in the near future.
- (v) Fishing practices can substantially influence the demand for fish.

**Explain the difference between deductive and inductive arguments.**