Name: Mehmet Murat Budak Exercise #2

**Determine whether the following pairs of statements are logically consistent with each other. Write consistent or inconstant next to each sentence. For some pairs you need to define the key term. For example: if god is a body then …..if god is not a body then…**

1. Nobody knows the future. God is omniscient. G=B incon….G is not a body….consistent
2. The theory of evolution is true. God exist. *C*
3. It is always morally wrong to kill innocent people. Having an abortion is morally acceptable. *If we define a person (single unit of people) as someone who is born (after 9 months of pregnancy), then the fetus wouldn’t be considered as a person, and therefore the pair would be* ***consistent****. If the fetus is somehow defined to be a person, then the pair is* ***inconsistent****.*
4. Nobody is perfect. My father is flawless.

*If perfection is defined as flawlessness, then* ***consistent****, otherwise* ***inconsistent****.*

1. Humans are free. The past determines the future.

***Consistent***

1. I am the same person that I was when I was five years old. Everything changes.

Depends on the definiton of “same person”, but from the surface, this pair seems ***inconsistent***.

1. No animal has a soul. Humans are animals.

***Consistent***

1. Democracy is the best form of government. The majority of people in every society are stupid.

***Consistent***

1. All birds can fly. Penguins cannot fly.

***Inconsistent****, assuming penguins are bids.*

**Given the definitions of logical and causal possibility, answer the following questions with true or false.**

1. It is causally possible to turn water into gold. **True**

2. It is causally possible that an earthquake will destroy all buildings in Istanbul next week. **True**

3. It is logically possible that a soccer ball can be completely red and completely green at the same time. **False**

4. It is logically impossible that all faculty members at Koç are space aliens. **False**

5. It is logically possible that girl is taller than herself at the same time. **False**

6. It is logically possible for Britney Spears to turn into a frog. **False, probably.**

7. It is causally possible for the sun to rotate around the earth. **True**

8. It is logically impossible that a turtle is the creator of this universe. **False**

9. It causally impossible that one person can rob all the banks in Istanbul during one day (physically not online). **False**

10. It is logically impossible that there are triangles with four sides. **True**

**Complete the following sentences by filling one of these phrases a) necessary condition, b) sufficient condition, c) necessary and sufficient condition, d) condition that is neither necessary nor sufficient.**

1. Being an animal is a ……necessary condition…………………..for being a monkey.
2. Being immortal is a ……… D ………..of being a superhero.
3. Being a grandfather is a…… B ………..for being a father.
4. Being against the law is a ………… d ………………….for being immoral.
5. Being born in Boston is …………… b ……………………….for being a U.S. citizen.
6. Being a dog is a………………… a ………………………..for being a collie.
7. Being free is a…… a …………….for being morally responsible

**Fill in the gaps so they form precise definitions.**

1. Daughter means…………………………female mammal…offspring

2. Skyscraper means very tall……… building with habitable space……………

3. Knowledge is ……………… proven …………………belief.

4. ………… Ice …………………..is frozen water.