**PHIL 1 – WEEK 3**

**EXERCISES**

**1.ANSWER THE FOLLOWING QUESTIONS (1/2 A4)**

1. What is Categorical Logic and what is Stoic Logic? Introduce these two types of Logic and explain the difference/s between them
2. What is an Assertible and how can it be expanded?
3. What are the major elements of Categorical Logic? Explain their function through an example (different from the one discussed in the lecture)
4. Four types of reasoning can be used to build diagrams. List them and then explain the differences between them (use examples if needed)
5. What is a syllogism? Give a definition (in the standard form) of two valid syllogisms (modus ponens and of modus Tollens - Illustrate the definitions with examples) and of two invalid syllogisms (affirming the consequent, denying the antecedent)

**2. DIAGRAM THE FOLLOWING PASSAGES**

1. All natural disasters are comforting because they reaffirm our impotence. At times it is strangely sedative to know the extent of your own powerlessness.
2. Democratic laws generally tend to promote the welfare of the greatest possible number, because they emanate from the majority of the citizens, who are subject to error, but who cannot have an interest opposed to their own advantage. The laws of an aristocracy tend, on the contrary, to concentrate wealth and power in the hands of a minority. It may therefore be asserted that a democracy is more useful to humanity as a whole than an aristocracy.
3. The claim that men don't know how to search for anything is supported by two reasons. They always ask where things are even if they're supposed to know where these things are. And they consistently forget about the most obvious places to look. Not being able to search properly makes one rather silly. All in all, men are just silly creatures.
4. Starting your own business is not as easy as it seems. First of all you have to have enough capital or you'll be faced with huge loans. Then, finding a niche in the market where you can survive is really difficult. And you'll never have a day off again as you'll always be working since it is your own business. So think again before you decide to go for it.

**3. DETERMINE VALIDITY AND TRUTHFULLNESS OF THE FOLLOWING ARGUMENTS**

a. If you buy the jumbo popcorn, then you will need a large drink. You bought the jumbo popcorn. You will need a large drink.

This argument is valid/invalid? Is this true or false? Explain why:

b. If you get the bon bons, you won’t need popcorn. Ruslan needed popcorn. So, he did not get the bon bons.

This argument is valid/invalid?Is this true or false? Write your answer here and explain why:

c. Anyone who plays the piano well must have done a lot of practice. Yuja has done a lot of practice. Therefore, she plays the piano well.

This argument is valid/invalid? Is this true or false? Explain why: