

الاسم:	مسابقة في مادة الفلسفة والحضارات
الرقم:	المدة: ساعتان

Deal with one of the following three subjects:

First subject :

All tendencies are derived from one fundamental tendency.

- 1- Explain this judgment and state the problematic it raises. (9 pts)
- 2- Discuss this judgment by showing that, naturally, we have a multitude of tendencies. (7 pts)
- 3- Can we acquire new tendencies ? Justify your answer. (4 pts)

Second subject :

What is legal is always just.

- 1- Explain this judgment and state the problematic it raises. (9 pts)
- 2- Discuss this judgment in the light of other opposite opinions. (7 pts)
- 3- Do you think that abiding by laws is a duty ? Justify your answer. (4 pts)

Third subject : Text

“The very possibility of the mathematical science seems to be an unsolved contradiction. If this science is only apparently deductive, so where does its perfect rigor, that no one dreams to doubt, come from? If, on the contrary, all the propositions set forth by this science can be derived from each other, by the rules of formal logic, how come that mathematics is not reduced to an immense tautology? (...)

Should we admit that the statements of these theories, which fill up many volumes, are nothing but indirect ways of saying that A is A ?

Syllogistic reasoning remains incapable of adding anything to the given premises. These are reduced to some axioms, and we must not find anything else in the conclusions.

The contradiction strikes us more if we open any book of mathematics: in each page, the author announces the intention of generalizing an already known proposition.”

Poincaré.

- 1- Explain this text and state the problematic it raises. (9 pts)
- 2- Discuss this point of view by showing that mathematical reasoning emphasizing the priority of deduction in mathematics. (7 pts)
- 3- In your opinion, to what extent do we need mathematics in different domains? Justify your answer. (4 pts)

Third question (20 points)

Part of the Q	Answer	Mark