

Choose one of the following subjects:

First Subject:

Mathematical principles are innate ideas and a pure creation of reason.

- 1- Explain this judgment and state the problematic it raises. (9 points)
- 2- Discuss this judgment in light of another theory. (7 points)
- 3- Do you think that mastering the language of numbers is able to help us solving our economic problems? Justify your answer. (4 points)

Second Subject:

The good observation of natural facts allows us to reach scientific laws.

- 1- Explain this judgment and state the problematic it raises. (9 points)
- 2- Discuss this judgment in light of other attitudes. (7 points)
- 3- Do you think that scientists are using their knowledge for the well-being of humanity? Justify your answer. (4 points)

Third Subject: Text

The theory of form is above all a theory of perception. It showed, with abundant experiences and great valuable theories, that perception is not composed of previous elements that are the sum of associated sensations; it is an immediate perception of the whole. When we perceive a physical feature, listen to a melody, perceive a geometrical shape, we do not begin to perceive elements, but we see at once the form or the melody as a whole. Even in the case where we see a black dot on a white background, it is already a whole, because the black dot is a figure, and the white is a background, and there is a relation of figure and background. Hence the elements that are simultaneously perceived are functions of each other.

Jean Piaget

- 1- Explain the ideas of the text and state the problematic it raises. (9 points)
- 2- Discuss the ideas of the text in light of another theory. (7 points)
- 3- Do you think that arts are capable of changing our perception of reality? Justify your answer. (4 points)