

Duration : 210 minutes

## First part: multiple choice questions

For each question, mark the box corresponding to the correct answer. Each question has **exactly one** correct answer.

## Second part: true/false questions

For each question, mark the box (without erasing) **TRUE** if the statement is **always true** and the box **FALSE** if it is **not always true** (i.e., it is sometimes false).

## Third part: open questions

- Answer in the empty space below using a black or dark blue ballpen.
- Your answer should be carefully justified, and all the steps of your argument should be discussed in details.
- Leave the check-boxes empty, they are used for the grading.

- **No other paper materials** are allowed to be used during the exam.
- Using a **calculator** or any electronic device is not permitted during the exam.
- For the **multiple choice** questions, we give :
  - +3 points if your answer is correct,
  - 0 points if you give no answer or more than one,
  - 1 points if your answer is incorrect.
- For the **true/false** questions, we give :
  - +1 points if your answer is correct,
  - 0 points if you give no answer or more than one,
  - 1 points if your answer is incorrect.
- Use a **black or dark blue ballpen** and clearly erase with **correction fluid** if necessary.
- If a question is wrong, the teacher may decide to nullify it.

Respectez les consignes suivantes   Read these guidelines   Beachten Sie bitte die unten stehenden Richtlinien		
choisir une réponse   select an answer Antwort auswählen	ne PAS choisir une réponse   NOT select an answer NICHT Antwort auswählen	Corriger une réponse   Correct an answer Antwort korrigieren
  		 
ce qu'il ne faut <b>PAS</b> faire   what should <b>NOT</b> be done   was man <b>NICHT</b> tun sollte		
     		