

SCIENTIFIC TEST : 1st part

DO NOT OPEN THE BOOKLET BEFORE BEING INVITED

INSTRUCTIONS

- You have 2h for answering this first part of the test.
- Each questions or statements of this test is followed by **five** suggested answers or completions. Select the one that is the best in each case and then mark the corresponding space on the answer sheet. Beware, multiple answers will be considered wrong.
- You will first start by
Mathematics IA Questions 01 to 20.
Depending on your initial background, you will then answer to
☐ Mathematics IB Questions 21 to 35
or
☐ Chemistry I Questions 36 to 53
Indicate your choice by ticking the corresponding box just above. Note that Chemistry I is compulsory for candidates to Agro ParisTech and Chimie ParisTech.
- **All material** must be given back at the end of the test.
- No separate rough drafts allowed; use the back of the subject pages as rough drafts.
- Do not remove the staple of the booklet.
- Mobile phones must be switched off.
- Calculators and electronic dictionaries are not allowed.
- Bilingual paper dictionnaires are accepted if they do not contain any formulas.
- +1 point for a right answer, $-1/4$ point for a wrong answer, 0 for no answer.
- Write your name, department and university on the first page of the booklet.

SCIENTIFIC TEST : 2nd part

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INSTRUCTIONS

- You have 1h30 for answering this second part of the test.
- Each questions or statements of this test is followed by **five** suggested answers or completions. Select the one that is the best in each case and then mark the corresponding space on the answer sheet. Beware, multiple answers will be considered wrong.
- The test is not designed to be totally treated. **Do not try to answer all questions.**
- You will first start by

Physique Questions 56 to 70.

Afterwards, answer questions taken from 71 to 142, according to your specialisation and your knowledge.

Mechanics	Questions 71 to 80
Electrical engineering and Information science	Questions 81 to 90
Computer Science	Questions 91 to 100
Chemistry II, Chemical Engineering	Questions 101 to 115
Life Sciences	Questions 116 to 127
Mathematics II	Questions 128 to 142

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- +1 point for a right answer, $-1/4$ point for a wrong answer, 0 for no answer.
- Write your name, department and university on the first page of the booklet.