

Scientific On-line Test

INSTRUCTIONS

1. You have 1h30 to answer each part of the test.
2. Each question or statement in this test is followed by **five** suggested answers or completions. Only one is right. Select the best one for each question or statement.
3. +1 point for a right answer. -1/4 for a wrong answer. 0 for no answer.
4. Mobile phones must be switched off.
5. Calculator and electronic dictionaries are not allowed during the test.
6. No documents are allowed except bilingual paper dictionaries if they do not contain any formula.

1st Part: Mathematics and applied mathematics

7. For each question, a level of difficulty (+, ++ or +++) is indicated.
8. **All candidates are expected to answer questions of lower difficulty (+).**
9. **Candidates from a math department are expected to answer questions of higher difficulty (+++).**

2nd part: Physics / Chemistry / Life Sciences and Environment

10. For each question, a level of difficulty (+, ++ or +++) is indicated.
11. **All candidates are expected to answer questions of lower difficulty (+) in physics.**
12. **According to their current field of studies, candidates are expected to answer questions of higher difficulty (+++) in the corresponding field.**
13. **Answer questions related to your field of studies first.**