



## Correction English 2<sup>nd</sup> year physic

### Part I: Reading Comprehension

**Task 1: Say whether these sentences are true or false: 4pts (1pt\*1)**

1. True
2. True
3. False
4. False

**Task 2 : Answer the following questions briefly and concisely. 3pts (1pt\*1)**

1. Understanding the principles of classical mechanics.
2. They demonstrate that energy and momentum are conserved in isolated systems.
3. Determinism and predictability.

**Task 3: Choose the correct answer to each definition from the text: 3pts (1pt\*1)**

- **1. Energy:** The capacity for doing work or producing heat.
- **2. Macroscopic objects :** Physical entities observable with the naked eye or standard laboratory equipment.
- **3. Classical mechanics :** is the branch of physics that describes the motion of macroscopic objects using Newton's laws of motion and conservation principles.

### Part II :Mastery of Language :

**Task 1: Identify the different parts of speech in each sentence, while also clarifying the tense used in each sentence :6pts (0.25pt\*1)**

1. The small (adjective) rock (noun) moves (verb-present simple) slowly (adverb) because of gravity (noun).
2. Its (pronoun) rhythmic (adjective) swing (noun) mesmerizes (verb-present simple) observers (noun).
3. The electromagnetic (adjective) field (noun) is fluctuating (verb- present continuous) rapidly (adverb) during the experiment (noun).

4. She (pronoun) observed (verb- past simple) the recent (adjective) experiment (noun) and noticed (verb-past simple) it (pronoun) produced (verb-past simple) unexpected (adjective) results (noun).

**Part III: Writing. 4pts**

**Compose a brief and a comprehensive summary of the preceding text, in no more than 5 lines.**

Classical mechanics, developed by Newton and Galileo, is crucial for understanding macroscopic objects' motion. It outlines Newton's laws of motion, energy and momentum conservation, and predictability. It aids engineers in mechanical engineering, aerospace, and robotics.