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| **Assignment N0. 02**  **Marks : 5** |

**Instructions:** Submit to LMS

* Please ensure that your name, your student ID number, Course information, Class, Section, University be clearly visible on the front page of your submission
* Late submission is not allowed.
* Copied or Duplicate Assignments are to be cancelled.
* **Assignment must be hand written**
* **Upload pdf file**
* **Date of Submission: 04-11-2023**

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**[CLO1, PLO1, C2]**

**Question 1**

**Compare and contrast** the following:

* electric potential and gravitational potential
* electric potential energy and gravitational potential energy

**Question 2**

**Explain** how electric potential and gravitational potential are used in physics research, such as studying the behavior of particles in an accelerator or the motion of planets and stars.