Question Paper.
Do not open this paper until you are told to begin the test.

PHY131H1F
Term Test 1 —version A
October 22, 2024
Duration: 90 minutes

Aids allowed: A calculator with no communication ability (programmable calculators and graphing calculators are okay). A single hand-written aid-sheet prepared by the student, no larger than 8.5"x11", written on both sides. A hard-copy English translation dictionary.

- **Completely turn off** any communication device you may have and leave it with your belongings at the edge of the room.
- Before starting, please **PRINT IN BLOCK LETTERS your name, student number, email and bubble-in your Version Code** at the top of **both** pages of the Answer Sheet.
- **This Question paper must be submitted in its entirety at the end of the test, along with both Answer Sheets.** The last page of this paper is blank, and you may tear it off for your own rough work if you wish. If you require extra blank pages for rough work, please raise your hand and ask an invigilator.

The first part of the test consists of **12** multiple-choice questions, worth 2 points each, or altogether 24 points. The second part of the test is a written problem, worth 8 points. The total number of points