

**MATHEMATICS.**—*Arithmetic.*—1. The Ball-Frame and its use.  
2.\* To solve any account in Commercial Arithmetic.

*Algebra.*\*—To work any example, to the end of quadratic equations.

*Geometry.*\*—To demonstrate any proposition in the first four books of Euclid.

*Practical Mathematics.*\*—To be well-versed in right- and oblique-angled Trigonometry, the Mensuration of surfaces, and Land Surveying,—as given in Chambers' series or an equivalent.

*Navigation.*—To have a good knowledge of Navigation.

*Natural Philosophy.*\*—To have a tolerable knowledge of the elements of Natural Philosophy, especially of Mechanics.

**WRITING.**—Same as *Female, Class I.*

**BOOK-KEEPING.**—To understand Book-Keeping by single entry.

**GEOGRAPHY.**—1.\* To draw, from memory, an outline map of any of the Continents, with the mountain ranges and great rivers accurately marked. 2.\* To have a good knowledge of general geography, and a very complete knowledge of the subjects given in *Female, Class I.* 2.

**HISTORY.**—\*To be well versed in the history of the British North American Provinces, and Great Britain, and to possess an accurate knowledge of the outlines of Universal History.

**CHEMISTRY.**—To be able to teach the leading principles of Agricultural Chemistry.

1\* To show what is meant by an *abstract* of a lesson, and how pupils should be trained to write such abstracts. 2\* To describe the spelling lessons adapted to the first, second, and third divisions of a Common School, and show how exercises in Dictation may be most expeditiously and effectively corrected. 3\* To draw up a Time-Table for use in a miscellaneous school under given circumstances.

**REMARK.**—By a time-table is meant a scheme shewing the allotment of time to each branch taught in the School.

## 8. DIRECTIONS TO EXAMINERS.

1. The answers returned to questions on any subject marked with a star (\*) in the preceding exercises, must be on paper. This does not preclude any oral answers the Examiners may require of Candidates on any subject named in the syllabus. Examiners shall file and preserve the Examination papers, and furnish the Superintendent an inspection of the same whenever he may desire.

2. Suggestions as to the mode of conducting examinations will be forwarded to the Examiners by the Superintendent.