APPENDIX A.

COURSE OF STUDY IN THE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,

BOSTON. 1870-71.

The Massachusetts Institute of Technology provides a four years' course of scientific and literary studies and practical exercises, embracing pure and applied mathematics, the physical and natural sciences with their applications, drawing, the English language, mental and political science, French and German. The course is so selected and arranged as to offer a liberal and practical education in preparation for active pursuits, as well as a thorough training for the professions of the Civil and Mechanical Engineer, Chemist, Metallurgist, Engineer of Mines, Architect, and Teacher of Science. All the studies and exercises of the first and second years are pursued by the whole school. At the beginning of the third year, each student selects one of the following special courses of study :—

1. A Course in Mechanical Engineering.
2. "   "   Civil and Topographical Engineering.
3. "   "   Chemistry.
4. "   "   Geology and Mining Engineering.
5. "   "   Building and Architecture.
6. "   "   Science and Literature.

CONDITIONS OF ADMISSION.

To be admitted to the first year's class the student must have attained the age of sixteen years, and must pass a satisfactory examination in arithmetic, so much of algebra as precedes equations of the second degree, plane geometry, English grammar and geography. In general, the training given at the best High Schools, Academies, and Classical Schools, will be a suitable preparation for the studies of this School.

In order to enter the second year's class, the student must be at least seventeen years of age, and must pass a satisfactory examination upon the first year's studies, besides passing the examination for admission to the first year's class ; and a like rule applies to the case of students seeking admission into the classes of the succeeding years.

Graduates of Colleges will, in general, be presumed to have the requisite attainments for entering the third year as regular students, and may do so on satisfying the department they purpose to enter that they are prepared to pursue their studies to advantage.

A knowledge of the Latin language is not required for admission ; but the study of Latin is strongly recommended to persons who propose to enter this School.

COURSE OF INSTRUCTION.

FIRST YEAR.

Mathematics.—Algebra beginning with quadratic equations and including logarithms.