

and who have otherwise fulfilled the provisions of the said Statutes, to present themselves for final examination before the proper Boards, at an earlier period in their apprenticeship than would otherwise be permitted.

The attention of Candidates for the certificates in Higher Surveying, given by the Dominion Board of Examiners, is directed to the facilities afforded for preparation by this Department.

NOTE.—The above applies to those taking the regular course for the Diploma of the School as well as to those who obtain the Special Certificate in Surveying.

The fee for Special Students in Surveying is \$30 per Session.

## SYNOPSIS OF COURSES OF INSTRUCTION.

### OPEN TO OCCASIONAL STUDENTS.

N.B.—Students who take the practical courses may attend the Lectures free of charge.

### ENGINEERING.

#### DRAWING :

- Model Drawing—Machines and Structures—Topographical Drawing
- Designs and Estimates.
- Descriptive Geometry, including Orthographic, Oblique and Perspective Projection—Shades and Shadows, Stone-cutting, &c.
- Fee for Special Students ..... \$10

#### SURVEYING AND LEVELLING :

- Surveying—Levelling, setting out work, Mensuration of Areas and Solids.
- Fee for Special Students ..... \$10

#### GEODESY AND PRACTICAL ASTRONOMY :

- Field work—Calculation of the Triangles—Projections of the Sphere
- Methods of determining Latitude, Local Time, Direction of the Meridian, and Difference of Longitude—Theory of the Instruments.
- Fee for Special Students ..... \$15

#### APPLIED MECHANICS :

- The calculation of forces acting in Structures.
- Theory of the strength of Materials.
- Designing of Structures.
- Theory of Machines and Machine Design.
- Hydraulics.
- Prime Movers, viz., Steam Engines, Turbines, &c.
- Fee for Special Students ..... \$15