TORONTO MECHANICS' INSTITUTE.

COURSE OF LECTURES

TO BE DELIVERED

IN THE ST. I.A. WHENCE MALES.

FOUR LECTURES

ON "PRIMITIVE SOURCES OF HISTORICAL TRUTH," BY DR. DANIEL WILSON.

PROFESSOR OF HISTORY AND ENGLISH LITERATURE, UNIVERSITY COLLEGE, TORONTO.

1856.—Friday, Nov. 21. 1st Lecture, "Unwritten History."

The Science of Antiquition, or Archaeology.—Historical Memorials of the Past.—Traces of an Ascient British History price to all Written Records,—Evidences of the Ancient British Knowledge of the Arts.—His Sepalderal Ritios and Primitive Memoments prior to the Christian Kra.—Traces of American History prior to its discovery by Columbus.—Connection between the Primitive Antiquities of the Obl and New World.

Nov. 28.—2nd Lecture, "The Historical Races."

Definition and Uses of the Science of Ethnology.—Unity and Variety in the Human Family.—The Ascient Baoys of Mankad.—The Memorials of Unhistoric Blaces, and Evidences of their Extinction.—The Ascient Miners and Monub-laidher of Asserics.—The Enterance of the Celtic and Germanic Baces into Europe.—The Intellectual Influences of ouch.—Results of the Admixture and Cellision of Roces.

Dec. 5 .- 3rd Lecture, "The Historical Nations."

The Dawn of Orilliation.—The Special Characteristics of Nations.—The Development of Intellectual Progress by a succession of Historical Nations.—The Origin of Colonization and Commerce; of Agricultury, Arts, and Letters.—The World : Historic Past, Present, and Fature.

Dec. 12.-4th Lecture, "Historical Lands."

ence of Physical Geography on National Character and History.—Isolation, Individuality, and Unity among the Nations.—Contrasting Elements of Ancient and Modern History.—The Old and New Workle.—The Historical and Political Influences of the Arts of Civilisation.—The Future of Casada.

TURN OVER.

EIGHT LECTURES ON CHEMISTRY, &c.,

WITH EXPERIMENTS), BY

PROFESSOR CROFT, UNIVERSITY COLLEGE, TORONTO,

PROFESSOR HIND, TRINITY COLLEGE, TORONTO.

December 19.—First Lecture: "Chemistry of the Elements, and of their most useful Combinations"	PROF. CROPT
1857. January 9.—Second Lecture: "Chemistry of Poisons and Adulterations"	Do.
January 16 and 23.—Third and Fourth Lectures: "The Gases Employed or Generated during the Processes of our Manufacturing Industry"	PROF. HIND
January 30 and Pebruary 6.—Fifth and Sixth Lectures: "Electricity and Galvanium; their Origin, History, and Applications"	PROF. CROFT
February 13 and 20. Serceth and Right Lectures:	Paor. Hind

FOUR LECTURES ON

NATURAL PHILOSOPHY,

(WITH EXPERIMENTS)

BY REV. W. ORMISTON, M.A.

Feb. 27.—First Lecture, "Matter and Motion."

The nature and advantages of the study of Physical Science.—The Province of Natural Philosophy and divisions of the Subject.—Matter, the Properties and States of Aggregation.—Attraction.—Gravitation.—Centre of Gravity.—Motion, its Forms.—Laws.—Beleetion.—Resolution and Composition.—Printion.—Momentum and Velocity.—Vibration.—Pendalum, &c.

March 6.—Second Lecture, "Heat, its proximate Causes and Effects."

Heat, different Theories and proximate Causes.—Expansion.—Incandescence.—Conduction.—Ebullition.—Evaporation.—Congelation.—Radiation.—Absorption.—Reflection.—Refrection and Transmission.—Thermometers, Graduation and different Scales.—Capacity for Heat, Specific

March 13.—Third Lecture, "Air and Atmospherical Phenomena,"

Air, its Composition, Extent, Elasticity.—Marriotte's Law.—Pressure.—Temperature and Humidity.—Barometers, Construction and Use.—Pumps.—Air Guna.—Balloons and Diving Belts.—Winds, their Causes, Force, and Velocity.—Trade Winds.—Monscons.—Simooms.—Whirlwinds.—Hurricanes and Calms.

March 20.-Fourth Lecture, "Water and Aqueous Phenomena."

Water, its Physical Condition, Amount, different degrees of Parity—Its Pressure equal in every direction, and in proportion to its depth.—The "Paradac" and Hydraulle Press.—Water seeks its Level.—Aquelate..—Canala.—Speaks_Gravity of Solids.—Lightle.—Gisser.—Physroseters.—Springs.—Artesian Wells.—Main, distribution and Amount.—Rainy Souons.—Rainy and Radiales Regions.—Peop.—Condu..—Dev.—Horsfrest, and Royales.

Tickets for the Course—To Members of the Intilists, bo.; Noncounters, 10s.; Ladies and Janier Masslers, 2b. 6d. For a Single Lecture—Members, Fild.; Noncombers, 1s. 5d.; Ladies and Junier Masslers, 74s.