

## II. YEAR.

## MATHEMATICS.

Differential and Integral Calculus.

## PHYSICS.

Hydrostatics.

Optics.

## EXPERIMENTAL PHYSICS.

Light : Uses of lenses and mirrors.

Calculation of focal lengths.

The prism and spectroscope.

Goniometer and heliostat.

Acoustics : Laws of vibrating strings.

Determination of Pitch.

Velocity of Sound.

Electric Fork.

Chronograph.

## DRAWING.

Instrumental Drawing, Drawing from the Cast, Sketching and  
Water Color, Pen and Ink.

Descriptive Geome'try (curved surfaces).

## SURVEYING.

Use of transit and level.

Mensuration.

## MECHANICS.

Statics (pure and applied).

Strength and Elasticity of Materials.

Materials of Construction.

Experimental work in Engineering Laboratory.

## HISTORY OF ARCHITECTURE.

Greek and Roman.

Romanesque and Byzantine.

## ORDERS AND ELEMENTS OF ARCHITECTURE.

## HISTORY OF ORNAMENT.

Ancient.

Classic—Greek, Roman.