

PROGRAMME, Studies, &c.—Continued.

SUBJECTS.	FOR ENTRANCE INTO JUNIOR DIVISION.	FOR SECOND CLASS CERTIFICATE IN JUNIOR DIVISION OR FOR ENTRANCE TO SENIOR DIVISION.	FOR ORDINARY FIRST CLASS CERTIFICATE IN SENIOR DIVISION.
*MUSIC	None	Hullah's System	Hullah's System.
DRAWING.....	None	None	Facility in making Perspective Outline Sketches of common subjects.
BOOK-KEEPING..	None	The Rudiments	Single and Double Entry.
ARITHMETIC AND MENSURATION	Fundamental Rules, Vulgar Fractions, and Simple Proportion.	Notation, Numeration, Fundamental Rules in different scales of Notation, Greatest Common Measure, Least Common Multiple, Prime Numbers, Fractions (Vulgar and Decimal), Proportion (Simple and Compound), Practice, Percentage (including Simple Interest, Insurance, Brokerage, &c.), Square and Cube Roots, Mensuration of Surfaces and Mental Arithmetic.	Review past subjects of Junior Division—Discount, Fellowship, Barter, Equation of Payments, Profit and Loss, Alligation, Compound Interest, Annuities, Position, Progression, Logarithms and Applications, Intellectual Arithmetic, Mensuration of Surfaces and Solids.
ALGEBRA.....	None	Definitions, Addition, Subtraction, Multiplication and Division. Use of Brackets, Decomposition of Trinomials, Resolution into Factors, Involution, Square of Multinomials, Expansion of $(a+b)^n$, Evolution, Greatest Common Measure, Least Common Multiple, Fractions, Interpretation of Symbols $\frac{a}{b}$, $\frac{a}{b} \div \frac{c}{d}$, ∞ , and $=$, Simple Equations.	Review past subjects of Junior Division—Indices, Surds, Quadratic Equations, Indeterminate Equations, Arithmetical, Geometrical and Harmonical Progression, Ratio, Proportion, Variation, Permutations, Combinations, Binomial Theorem, Notation, Decimals, Interest, &c., Properties of Numbers, Continued Fractions, Exponential Theorem, Logarithms, Algebraic Series, Cubic and Biquadratic Equations.
EUCLID.....	None	Books I. and II. with Exercises (Potts).	Books III., IV., VI., and Definition of B. V. Exercises on Six Books (Potts).
NATURAL PHILOSOPHY	None	Properties of Matter, Statics, Hydrostatics, Dynamics and Hydrodynamics, Human Physiology.	Heat, Light, Electricity, Galvanism, Magnetism, Optics and Acoustics, Vegetable Physiology, General View of Geology.
CHEMISTRY	None	None	Constitution of Matter, Chemical Nomenclature, Symbols, Laws of Combination, Chemical Affinity, Crystallization, Oxygen, Hydrogen, Nitrogen, Carbon, Sulphur, Phosphorus, Chlorine, Calcium, Aluminium, Silicon, Potassium, Sodium, Iodine, Manganese, Magnesium, Iron, Lead, Fluorine, and their principal compounds. Nature of soils, of Organic Bodies, Germination of the Seed, Development of the Plant, source of Carbon, Hydrogen and Nitrogen, &c., in Plants, products of vegetable growth, Woody Fibre, Gum, Starch, Sugar, Gluten, &c., Cultivation of Plants, Composition and Formation of Soils, Mineral Constituents of Plants, action of Manures, &c.

* Not required of those who are naturally disqualified.

LIST

Which

A se
Com
Auth
Advan
Love
Hodg
Sulli
Sang
Pott
Sang
Sang
Sang
Secto
A Sla
Two
Two
Two
Draw
Two

St
purpos
Al
St
lated to
St
ment in
night, v
Ma
verbally
permitt
All
from all
titude a
objection
to all th
Ina
Chief St
seems be

The
divided
with the
class, gra
first clas
vince of
by the C
year from