

HARRIS INSTITUTE, PRESTON.

PRESIDENT: EDMUND DICKSON, Esq.

VICE-PRESIDENTS:

SIR CHAS. BROWN, F.R.C.S., M.A., HY. ASTLEY-BELL, Esq., J.P.

E. J. ANDREW, Esq.

PRINCIPAL AND SECRETARY: T. R. JOLLY, F.C.I.S.

PROSPECTUS OF CLASSES,

SESSION 1920-21

CLASSES RE-OPEN SEPTEMBER 20th.

PRICE, TWOPENCE.

Per Post, 3d.

SPECIAL NOTICE.—Evening Students will be enrolled at the Technical School from 7 to 9 p.m., on Wednesday and Thursday Evenings, September 15th and 16th. **Students who do not enroll on these dates will be charged an extra fee of 2/6. This will be strictly enforced.**

HARRIS COUNCIL, 1920-21.

PRESIDENT :

MR. EDMUND DICKSON.

VICE-PRESIDENTS :

Sir CHARLES BROWN, F.R.C.S., M.A.;

Mr. H. ASTLEY-BELL, J.P. and Mr. Councillor E. J. ANDREW.

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Mr. A. W. Wilson.

Representing the Corporation of Preston.

Mr. Alderman W. Breakell,

Alderman Sir Harry Cartmell,
J.P.

Mr. Councillor T. H. C. Derham,
M.B.C.M.

Mr. Councillor J. Dewhurst.

Mr. Councillor J. Herbert.

Mr. Alderman J. C. Hamilton, J.P.

Mr. Councillor Henry Mallott.

Mr. Councillor T. Snelham.

Representing the County of Lancaster.

Mr. Windham E. Hale, C.C., J.P.

Mr. R. P. Neilson, C.A., J.P.

Mr. W. T. Bourne, C.C.

University Representatives.

Mr. A. Holt, D.Sc., M.A. (Camb.) (Liverpool).
(Manchester).

Vacant.

PRINCIPAL AND SECRETARY :

T. R. JOLLY, F.C.I.S.

DAY CLASSES.

—:O:—

CLASSES AFFILIATED TO MANCHESTER AND LIVERPOOL UNIVERSITIES.

These provide complete Courses of Instruction for the joint Matriculation of the Northern Universities; the Intermediate B.Sc. and Intermediate, B.Sc. (Tech), Manchester; the Intermediate B.Sc., Liverpool; the Intermediate Examinations of the University of London; and the various Preliminary Professional Examinations, including Medical, Dental, Pharmaceutical and Dispensers.

SUBJECTS :—Chemistry, Botany, History, French, Latin, Mathematics, Mechanics and Physics.

Fee for the complete Matriculation Course £15 15s. 0d., Separate Classes by arrangement. The Session commences on Monday, September 20th, 1920.

DAY COMMERCIAL SCHOOL.

The Course extends over a period of two years (provided that the School be continued by the Council for this period), and prepares boys and girls for Clerical posts. The following subjects are taken: Arithmetic, Bookkeeping, Commerce, Drawing, Drill, English, French, Geography, History, Mathematics, Shorthand and Type-writing. Fee £3 3s. 0d. for Session (September to July). The Classes commence on Tuesday, September 14th, 1920.

JUNIOR TECHNICAL SCHOOL.

The aim of the School is to provide a suitable education for boys, who, having completed the ordinary course of work in the Elementary Day School, desire to enter Engineering, Building and other trades.

The course of instruction extends over a period of two years, and includes the following subjects: Drawing, English, Mathematics, Mechanical Drawing, Science. Practical Metal and Wood-work. The Classes commence on Tuesday, September 14th, 1920. Fee £3 3s. 0d. for Session (September to July).

SCHOOL OF AGRICULTURE.

The Agricultural School is carried on by the Council of the Harris Institute, by arrangement with the Lancashire County Council, as part of the County Scheme of Instruction in Agriculture. The Session extends from September to April.

Full particulars are given in the Scheme of Agricultural Education, which can be obtained free on application.



SCHOOL OF ART.

DAY AND EVENING CLASSES.

TIME TABLE.

	MORNING. 10-0—12-30.	AFTERNOON. 2-30—4-30.	EVENING. 7-15—9-15.
Monday.	Drawing Ornament Still Life Figure Drawing Anatomy Nature Drawing	Still Life Figure Drawing Nature Study Object Drawing	Nature Study Antique Drawing Styles of Design Elem. & Advanced Drawing
Tuesday.	Memory Drawing Figure Drawing Nature Study	Still Life Figure Composition Drawing (Elem. & Advanced)	Textile Art English and Arith- metic. 2nd year Design Metal Work
Wednesday.	Geometry Perspective Still Life Painting from Life	Embroidery. Still Life Painting from Life Design	Painting and Deco- rating Embroidery Modelling Lithography (Theory & Pract.) Advanced Drawing English & Arith- metic, 1st year
Thursday.	Colour Study Drawing & Painting Still Life	Nature Study and Design	Wood Carving Elementary & Ad- vance Drawing Antique Drawing
Friday.	Wood Carving and Modelling Figure Drawing Object & Memory Drawing	Styles of Design Historic Orna. Elem. Figure Draw- ing	Drawing & Painting Still Life Life Class Illustration Design

In addition to the trades mentioned in the Time Table, suitable courses are arranged for Cabinet Makers, Plasterers, Stone Carvers, Textile Designers, Jewellers, &c., and special classes will be held in Elementary Embroidery.

The School is open for three terms of about 13 weeks each, viz. :—

20th September, 1920, to 23rd December, 1920.

10th January, 1921, to 8th April, 1921.

11th April, 1921, to 8th July, 1921.

During the Summer term an outdoor Sketching Class will be held on Tuesday afternoons.

Further information may be obtained at the School of Art.

FEES FOR SESSION (payable in advance.)

	£	s.	d.
Full-time Day Students	3	3	0
Evening Classes	1	0	0
Painting and Decorating Class	1	0	0
Students attending one day per week	1	11	6

Classes commence on Monday, September 20th.



EVENING CLASSES.

GENERAL REGULATIONS.

Students who are desirous of joining the Classes must satisfy the Principal of the Institute that they are able to benefit by the Course to which they seek admission, otherwise they must sit for an **Entrance Examination, to be held at the Technical School on Friday Evening, September 17th**, and if they fail to reach the prescribed standard it will be advisable for them to attend the Preliminary Courses, Technical or Commercial, conducted under the Preston Education Committee.

Students will be enrolled at the Technical School on Wednesday and Thursday evenings, September 15th and 16th, from 7 to 9 p.m.

FEES FOR SESSION.

	£	s.	d.
Single Subjects	0	15	0
Any Complete Course : Building, Commercial, Electrical Engineering, Mechanical Engineering, or Tech- nical,	1	0	0
School of Art, Evening Classes	1	0	0

N.B.—Students who do not enrol on the dates given will be charged an additional fee of 2/6. This rule will be strictly enforced.

The Council reserve the right to discontinue any Class in the event of a small number joining.

Students who desire to take the Examinations of the Union of Lancashire and Cheshire Institutes or the City and Guilds of London Institute, may be called upon to pay the whole or a portion of the Examination Fees.

SCIENCE & MISCELLANEOUS.

EVENING CLASSES.

TIME TABLES.

PURE MATHEMATICS.

Stage I.....Thursday, 7 to 9.

INORGANIC CHEMISTRY.

Stage I. Tuesday, 7 to 8 (Lecture.)
 Stage I. Tuesday, 8 to 9-30 (Pract.)
 Stage II. Wednesday, 7 to 8 (Lect)
 Stage II. Thursday, 7 to 9-30 (Pract)
 Chemistry of Metals..... Monday, 7 to 8.
 Chemistry for Textiles Wednesday, 8-15 to 9-15

ORGANIC CHEMISTRY.

Stage I..... Friday, 7-0 to 8-0 (Lecture)
 Stage I..... Friday, 8-0 to 9-30 (Pract.)

A Special Course will be arranged (if a sufficient number join) suitable for those desiring to qualify for the Pharmaceutical Examination, or the Society of Apothecaries Examination for Dispensers.

BOTANY.

Monday.....7 to 9

GEOLOGY.

Wednesday7 to 8

ENGLISH LANGUAGE AND LITERATURE.

Friday7-15 to 8-15

FRENCH.

Tuesday.....Elementary Grade8-15 to 9-15
 Tuesday.....Intermediate Grade7-15 to 8-15
 Thursday.....Advanced Grade8-15 to 9-15

ITALIAN.

Friday7-15 to 8-15

SPANISH.

Wednesday7-15 to 8-15

LATIN.

Thursday7-15 to 8-15

WHEELWRIGHTS' WORK AND ROAD CARRIAGE BUILDING.

Friday7 to 9

FARRIERS' WORK.

Thursday7-30 to 9-30

BUILDING TRADES DEPARTMENT.

The following specialised Courses have been arranged :—

BUILDERS' COURSE.

FIRST YEAR (S. 1).

Building Construction	Tuesday	7-15 to 9-15
Building Science	Wednesday	7-15 to 9-15
Mathematics and Geometry	Monday	7-15 to 9-15

SECOND YEAR (S. 2.)

Building Construction	Friday	7-15 to 9-15
Building Science	Wednesday	7-15 to 9-15
Mathematics and Geometry	Monday	7-15 to 9-15

THIRD YEAR (S. 3).

Building Construction	Friday	7-15 to 9-15
P. P. & S. Geometry	} Monday	7-15 to 9-15
or		
Mathematics	} Thursday	7-15 to 9-15
Carpentry and Joinery		
or	} Wednesday	7-15 to 9-15
Sanitary Building Construction ...		

FOURTH YEAR (A. 1).

Building Construction	Wednesday	7-15 to 9-15
Builders' Quantities	Monday	7-15 to 9-15
Structural Engineering	Tuesday	7-15 to 9-15

FIFTH YEAR (A. 2).

Building Construction	Friday	7-15 to 9-15
Builders' Quantities	Monday	7-15 to 9-15
Structural Engineering	Tuesday	7-15 to 9-15

SIXTH YEAR.

Architecture	7-15 to 9-15
Architectural Design	} 7-15 to 9-15
and	
One Technological Subject	7-15 to 9-15

ARCHITECTS' COURSE.

FIRST YEAR (S. 1).

Same as Course 1, Builders' Course.

SECOND YEAR (S. 2).

Same as Course 2, Builders' Course.

THIRD YEAR (S. 3).

Building Construction	Friday	7-15 to 9-15
Sanitary Building Construction ...	Wednesday	7-15 to 9-15
Carpentry and Joinery	Thursday	7-15 to 9-15
or		
Brickwork and Masonry	Tuesday	7-15 to 9-15

FOURTH YEAR (A. 1).

Building Construction	Wednesday	7-15 to 9-15
Builders' Quantities	Monday	7-15 to 9-15
Structural Engineering	Tuesday	7-15 to 9-15

FIFTH YEAR (A. 2).

Building Construction	Friday	7-15 to 9-15
Builders' Quantities	Monday	7-15 to 9-15
Architecture		7-15 to 9-15

SIXTH YEAR.

Architectural Design	}	7-15 to 9-15
and		
Two Technological Subjects ...		

CARPENTERS' AND JOINERS' COURSE.

FIRST YEAR (S. 1).

Same as Course 1 Builders' Course.

SECOND YEAR (S. 2).

Same as Course 2 Builders' Course.

THIRD YEAR (S. 3).

Building Construction	Friday	7-15 to 9-15
P. P. & Solid Geometry	Monday	7-15 to 9-15
Carpentry and Joinery	Thursday	7-15 to 9-15

FOURTH YEAR (A. 1).

Building Construction	Wednesday.....	7-15 to 9-15
Carpentry and Joinery (Lecture) ..	Thursday	7-15 to 9-15
Carpentry and Joinery (Practical)	}	7-15 to 9-15
or		
Builders' Quantities		

(FIFTH YEAR (A. 2).

Building Construction	Friday.....	7-15 to 9-15
Builders' Quantities	}	Monday.....7-15 to 9-15
or		
Carpentry and Joinery (Practical)		
Carpentry and Joinery (Lecture) ..	Thursday	7-15 to 9-15

BRICKLAYERS' AND MASONS' COURSE.

FIRST YEAR (S. 1).

Same as Course 1 Builders' Course.

SECOND YEAR (S. 2).

Same as Course 2 Builders' Course.

THIRD YEAR (S. 3).

Building Construction	Friday.....	7-15 to 9-15
P.P. & Solid Geometry.....	Monday.....	7-15 to 9-15
Brickwork and Masonry.....	Tuesday	7-15 to 9-15

FOURTH YEAR (A. 1).

Building Construction	Wednesday.....	7-15 to 9-15
Sanitary Building Construction ...	Wednesday.....	7-15 to 9-15
Brickwork and Masonry.....	Tuesday	7-15 to 9-15

FIFTH YEAR (A. 2).

Building Construction	Friday	7-15 to 9-15
Builders' Quantities	Monday.....	7-15 to 9-15
Brickwork and Masonry.....	Tuesday	7-15 to 9-15

PLUMBERS' COURSE.

FIRST YEAR (S. 1).

Same as Course 1, Builders' Course.

SECOND YEAR (S. 2).

Same as Course 2, Builders' Course.

THIRD YEAR (S. 3).

Sanitary Building Construction ...	Wednesday.....	7-15 to 9-15
Plumbers' Work (Lecture)		7-15 to 9-15
Plumbers' Work (Practical).....		7-15 to 9-15

FOURTH YEAR (A. 1).

Building Construction (3)	Friday	7-15 to 9-15
Plumbers' Work (Lecture)		7-15 to 9-15
Plumbers' Work (Practical).....		7-15 to 9-15

MECHANICAL ENGINEERING DEPARTMENT.**TIME TABLE.****FIRST YEAR S. 1 (SECTION A.)**

Practical Mathematics	Monday.....	7-15 to 9-15
Engineering Drawing	Tuesday	7-15 to 9-15
Engineering Science	Thursday	7-15 to 9-30

FIRST YEAR S. 1 (SECTION B).

Practical Mathematics	Wednesday	7-15 to 9-15
Engineering Science	Tuesday	7-15 to 9-30
Engineering Drawing	Thursday	7-15 to 9-15

SECOND YEAR (S. 2).

Practical Mathematics	Monday.....	7-15 to 9-15
Engineering Drawing	Wednesday.....	7-15 to 9-15
Engineering Science	Friday	7-15 to 9-45

THIRD YEAR (S. 3).

Engineering Science—Mechanics ..	Thursday	7-15 to 9-15
Engineering Science—Heat Engines	Wednesday.....	7-15 to 9-45
Practical Mathematics	Monday.....	7-15 to 9-15

FOURTH YEAR (A. 1).

Practical Mathematics	Wednesday.....	7-15 to 9-15
Engineering Design.....	Friday.....	7-15 to 9-15
Engineering Science	Monday	7-15 to 9-45

FIFTH YEAR (A. 2).

To be arranged.

ELECTRICAL ENGINEERING & PHYSICS DEPT.**FIRST YEAR (S. 1).**

Practical Mathematics	Wednesday.....	7-15 to 9-15
Engineering Science	Tuesday	7-15 to 9-30
Engineering Drawing	Thursday	7-15 to 9-15

SECOND YEAR (S. 2).

Practical Mathematics	Monday.....	7-15	to	9-15
Engineering Drawing	Wednesday.....	7-15	to	9-15
Technical Electricity	Friday	7-15	to	9-45

THIRD YEAR (S. 3).

Practical Mathematics	Monday.....	7-15	to	9-15
Technical Electricity	Tuesday	7-15	to	9-15
Technical Electricity (Lab.)	Wednesday	7-15	to	9-30

FOURTH YEAR (A. 1).

To be arranged.

GENERAL PHYSICS.

Mechanics, Heat, Light & Sound	Tuesday	7	to	9 30
Magnetism and Electricity	Monday.....	7-15	to	9-30

TEXTILE DEPARTMENT.

COTTON SPINNING.

TIME TABLE.

FIRST YEAR (S. 1).

Cotton Spinning (Theory)	Wednesday.....	7-15	to	8-15
" " (PRACTICAL)	Wednesday.....	8-15	to	9-15
Textile Mechanics	Friday.....	7-15	to	9-15
Practical Mathematics	Thursday	7-15	to	8-15
Hand Sketching.....	Thursday	8-15	to	9-15

SECOND YEAR (S. 2).

Cotton Spinning (Theory)	Monday.....	7-15	to	8-15
" " (PRACTICAL)	Monday.....	8-15	to	9-15
Textile Mechanics	Tuesday	7-15	to	9-15
Engineering Drawing	Tuesday	7-15	to	9-15

THIRD YEAR (S. 3).

Cotton Spinning (Theory)	Friday	7-15	to	8-15
" " (PRACTICAL)	Friday	8-15	to	9-15
Technical Electricity.....	Thursday	7-30	to	9-30

COTTON WEAVING.

DESIGNING COURSE, 1st YEAR (S. 1).

Cotton Weaving, Design, Dissection and Calculation	Tuesday	7-15 to 9-15
*Textile Art	Friday	7-15 to 9-15
Practical Mathematics	Thursday	7-15 to 8-15
Practical Weaving and Hand-Sketching	Thursday	8-15 to 9-15

MANUFACTURING COURSE, 1st YEAR (S. 1).

Cotton Weaving, Design, Dissection and Calculation	Tuesday	7-15 to 9-15
Textile Mechanics (Theory)	Friday	7-15 to 8-15
Textile Mechanics (Practical)	Friday	8-15 to 9-15
Practical Weaving and Hand-Sketching	Thursday	8-15 to 9-15
Practical Mathematics	Thursday	7-15 to 8-15

DESIGNING COURSE, SECOND YEAR (S. 2).

Cotton Weaving, Design, Dissection and Calculation	Monday	7-15 to 9-15
Practical Weaving and Hand-Sketching	Wednesday	7-15 to 9-15
*Textile Art	Tuesday	7-15 to 9-15

MANUFACTURING COURSE, SECOND YEAR (S. 2).

Cotton Weaving, Design, Dissection and Calculations	Monday	7-15 to 9-15
Textile Mechanics	Tuesday	7-15 to 9-15
Practical Weaving and Hand-sketching	Wednesday	7-15 to 9-15

DESIGNING COURSE, THIRD YEAR (S. 3).

Practical Weaving	Monday	7-15 to 9-15
Cotton Weaving (Applied Design)	Thursday	7-15 to 9-15
*Textile Art	Tuesday	7-15 to 9-15

MANUFACTURING COURSE, THIRD YEAR (S. 3).

Practical Weaving	Monday	7-15 to 9-15
Chemistry of Sizing	Tuesday	7-15 to 9-15
Cotton Weaving and Calculation	Friday	7-15 to 9-15

*Students taking Design Courses will be required to attend the Textile Art Classes continuing to July 8th.

COMMERCIAL DEPARTMENT.

THIRD YEAR GROUP COURSES.

COURSE No. 1, (£1)	COURSE No. 2, (£1)	COURSE No. 3 (£1)
Arithmetic ...Monday	Arithmetic.....Monday	Arithmetic.....Monday
Book-keeping...Wed.	Commerce.....Tuesday	Book-keeping...Wed.
English & Commercial	*Language...Tuesday (if	Commerce.....Tuesday
Correspondence...Tues.	French	Geography.....Monday
or Friday.	Shorthand.....(Monday	
Shorthand.....Monday		
COURSE No. 4. (£1)	COURSE No. 5. (£1)	
Arithmetic.....Monday	Arithmetic.....Monday	
English & Commercial...Tuesday or	Commerce.....Tuesday	
Correspondence [Friday	English & Commercial	
*Language.....Tuesday	Correspondence.....Tues. or Fri.	
[if French	Geography.....Monday	
Geography.....Monday		

* The language selected may be one of the following :-- French, Latin Italian, or Spanish. For the hours of each see Time Table below.

II.—GROUPED COURSES FOR TYPISTS.

COURSE No. 6. (£1-0-0)	COURSE No. 7. (£1-0-0)
ArithmeticMonday	English & Commercial
English & Commercial	Correspondence.....Tues. or Fri.
Correspondence...Tues. or Friday	GeographyMonday
Shorthand.....Monday	ShorthandMonday
TypewritingTues. or Friday	TypewritingFriday

THIRD YEAR GROUPED COURSES—TIME TABLE.

Arithmetic	Monday.....	7-15 to 8-15
Geography	Monday.....	7-15 to 8-15
Shorthand (From Tion Hook)	Monday.....	7-15 to 8-15
Arithmetic	Monday.....	8-15 to 9-15
Shorthand (Beginners Class)	Monday.....	8-15 to 9-15
Typewriting (or Friday)	Tuesday	7-15 to 8-15
	or Tuesday	8-15 to 9-15
Commerce (or Friday)	Tuesday	7-15 to 8-15
French.....	Tuesday	8-15 to 9-15
Book-keeping	Wednesday.....	7-15 to 8-15
”	Wednesday.....	8-15 to 9-15
Spanish	Wednesday.....	7-15 to 8-15
Italian.....	Friday	7-15 to 8-15
Typewriting (or Tuesday).....	Friday	6-15 to 7-15
”	Friday	8-15 to 9-15
English & Commercial		
Correspondence	Friday	7-15 to 8-15
Commerce (or Tuesday)	Friday	7-15 to 8-15

FOURTH YEAR GROUPED COURSES.

COURSE No. 8 (£1).	COURSE No. 9 (£1).	COURSE No. 10 (£1).
ArithmeticFriday	Commerce.....Tuesday	CommerceTuesday
Book-keepingWed.	Language...Tues if Fr.	ShorthandThursday
CommerceTues.	Shorthand ...Thursday	TypewritingFriday

COURSE No. 11 (£1).	COURSE No. 12 (£1).	COURSE No. 13 (£1).
Book-keepingWed.	ArithmeticFriday	Typewriting.....Friday
ShorthandThursday	Book-keeping... ..Wed.	Book-keeping.....Wed.
Typewriting.....Tuesday	Shorthand ...Thursday	EnglishTuesday

FOURTH YEAR GROUPED COURSES—TIME TABLE.

Typewriting (or Friday)	Tuesday	7-15 to 8-15
French.....	Tuesday	7-15 to 8-15
Commerce	Tuesday	8-15 to 9-15
Book-keeping	Wednesday.....	7-15 to 9-15
Spanish	Wednesday.....	7-15 to 8-15
Italian.....	Friday	7-15 to 8-15
Shorthand (Speed, 50-150 words per minute	Thursday	7-15 to 9-15
Arithmetic (Senior Grade)	Friday	7-15 to 8-15
Typewriting (or Tuesday)	Friday	7-15 to 8-15

FIFTH YEAR AND SPECIAL LANGUAGE CLASSES.

Advanced French.....	Thursday.....	8-15 to 9-15
English Language & Literature	Friday	7-15 to 8-15
Shorthand (Higher Speeds	Thursday.....	7-15 to 8-15
Italian.....	Friday	7-15 to 8-15
Spanish	Wednesday	7-15 to 8-15

An advanced Commerce Class will be held, if sufficient students desire to enroll.

NOTE.—If the Course Certificate of the Lancashire and Cheshire Institutes is desired, Commerce is an obligatory subject.



SCHOLARSHIPS and PRIZES.

Scholarships and Prizes will be awarded to Students who pass the Course examinations conditionally on home work and attendance being satisfactorily.



Regulations applicable to all Students attending Classes at the Harris Institute.

The Lecturers are authorised to report periodically, through the Principal, on the attendance, homework, and conduct of each Student. The Council shall have power in dealing with the students who are unsatisfactory in these and other respects, to remove their names from the Register without return of fee.

A Certificate or Diploma will be issued to all Students who satisfactorily complete a Five Years' Course. The award of the diploma will depend on attendances, school and homework, and examination results. These diplomas may be endorsed by the Board of Education.

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DAY CLASSES.

ART.

AGRICULTURE.

DAY COMMERCIAL SCHOOL.

DAY JUNIOR TECHNICAL SCHOOL.

MATRICULATION AND INTERMEDIATE SCIENCE.

EVENING CLASSES.

ART.

SCIENCE AND MISCELLANEOUS.

ORGANISED COURSES.

BUILDING TRADES.

COMMERCIAL.

COTTON SPINNING. COTTON WEAVING.

MECHANICAL ENGINEERING. SCIENCE.

PHYSICS AND ELECTRICAL ENGINEERING.

All communications to be addressed to

T. R. JOLLY,

August, 1920.

Principal and Secretary.