

signed by the Dean of the Faculty of a recognized Engineering School that after meeting the University Entrance requirements the candidate has spent to the satisfaction of the Faculty, time in practical work as follows :—

1. Mechanical Engineering—nine months in approved workshops.
2. Electrical Engineering—six months in approved workshops and three months either in approved workshops or in approved practice.
3. Civil Engineering—six months in approved workshops and three months in approved practice.
4. Chemical Engineering—six months in approved workshops and three months in approved industrial works.
5. Mining Engineering—twelve months partly in metal and partly in coal mines.
6. Metallurgical Engineering—nine months in metallurgical works.

In the case of a student who has done practical work before entering on his course, the Faculty may, at its discretion, take this time into consideration in determining any further time required. Candidates must also present a First Aid Certificate from the St. John Ambulance Association.

HONOURS IN ENGINEERING

(Mechanical—Electrical—Chemical—Civil)

XV. Every candidate for the Degree of Bachelor of Engineering with Honours must matriculate and thereafter follow the prescribed course of study during at least five years :—

- (i) After a candidate has completed the Second Professional his progress will be reviewed and only if he has obtained high average marks in the First and Second Year Professional Examinations and has been approved by the Faculty will he be allowed to proceed to the Honours course.
- (ii) Before the award of Honours to a candidate, he shall submit a thesis giving the results of original work on some branch of engineering or on some approved experimental work.
- (iii) The length of period for the preparation of the thesis shall normally be from February to November, inclusive, and the work shall be entirely under the direction of the Professor of the subject.

SUBJECTS OF EXAMINATION

Bachelor of Engineering—Mechanical, Electrical, Chemical, Civil

INTERMEDIATE EXAMINATION

XVI. The subjects of the Intermediate Examination shall be :—

1. Pure Mathematics, as for B.A. I. (Two papers.)
2. Applied Mathematics, as for B.A. I. (Two papers.)
3. Physics, as for B.A. I. (Two papers.)
4. Chemistry, as for B.A. I. (Two papers.)

XVII. A candidate will be credited with any subject passed in the Intermediate Examination. A candidate who has failed in this Intermediate Examination in Physics or in Chemistry, shall, before presenting himself again for examination in that subject, follow such a course of instruction in theoretical and practical work as may be required by the Professorial Board.

NOTE.—Terms in the subjects of this Intermediate Examination may be kept at any constituent College.

PROFESSIONAL EXAMINATIONS

A. Bachelor of Engineering—Mechanical

XVIII. *First Professional Examination :—*

1. Engineering Mathematics II. (One paper.)
2. Chemistry of Engineering Materials. (One paper.)
3. Surveying I. (One paper.)
4. Descriptive Geometry. (One paper.)
5. Applied Mechanics. (Two papers.)

XIX. *Second Professional Examination :—*

1. Engineering Mathematics III. (One paper.)
2. Heat Engines I. (One paper.)
3. Applied Electricity. (One paper.)
4. Strength of Materials in Construction. (One paper.)
5. Engineering Drawing and Design I. (Two papers.)