

E. *The Degree of Bachelor of Engineering With Honours*

Mechanical.—First, Second, and Third Professional Examinations as for B.E. (Mech.).

XXVIII. *Fourth Professional Examination* :—

1. Engineering Mathematics IV. (One paper.)
2. Advanced Properties of Materials. (One paper.)

Electrical.—First and Second Professional Examinations as for B.E. (Elect.).

XXIX. *Third Professional Examination* :—

1. Electrical Engineering II. (Two papers.)
2. Theory of Workshop Practice. (One paper.)
3. Hydraulics and Pneumatics. (One paper.)

XXX. *Fourth Professional Examination* :—

1. Engineering Mathematics IV. (One paper.)
2. Physics III, as for B.A. (Two papers.)

Civil.—First, Second, and Third Professional Examinations as for B.E. (Civil).

XXXI. *Fourth Professional Examination* :—

1. Engineering Mathematics IV. (One paper.)
2. Engineering Geology. (One paper.)

A candidate may take Engineering Mathematics IV together with the subjects of the Third Professional Examination and complete the course by taking the remaining Fourth Professional subject by itself.

Chemical.—First, Second, Third, and Fourth Professional Examinations as for B.E. (Chem.).

XXXII. *Fifth Professional Examination* :—

1. Engineering Mathematics IV. (One paper.)
2. Physical Chemistry, as for M.A. (One paper.)

Bachelor of Engineering—Mining, Metallurgical

INTERMEDIATE EXAMINATION

XXXIII. 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) or Geology, 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.)

XXXIV. A candidate who has failed in this Intermediate Examination in Physics or Chemistry or Geology 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

F. *Bachelor of Engineering—Mining*

XXXV. *First Professional Examination* :—

1. Freehand Mechanical Drawing. (One paper.)
2. Descriptive Geometry. (One paper.)
3. Geology, as for B.A. I (two papers) or Applied Mathematics as for B.A. I (two papers), (the option not taken in the Intermediate Examination).
4. Mineralogy. (One paper.)
5. Surveying I. (One paper.)

XXXVI. *Second Professional Examination* :—

1. Ore Dressing. (One paper.)
2. Applied Mechanics relating to Mining. (Two papers.)
3. Heat Engines I. (One paper.)
4. Mechanical Drawing. (Two papers.)
5. Mining I. (Two papers.)
6. Mine Surveying II. (One paper.)