

CHEMICAL ENGINEERING TRIPOS PART IIA
Course 2020-21 and Examination 2021

The structure of the examination is described below assuming that in-person examinations are possible. A structure as similar to this as possible will be adopted if online examinations are required.

The examination papers are described below. Students will have three hours' writing time for each examination.

Each examination paper will have six compulsory questions on it. All the questions will carry equal marks. The approximate number of marks allocated to each part of a question will be indicated on the examination papers.

Paper 1 *Answer all questions.*

The topics on this paper are Fluid Mechanics, Heterogeneous Reactors, Statistics, and Safety Health & Environment.

Paper 2 *Answer all questions.*

The topics on this paper are Equilibrium Thermodynamics, Separations, Radiative Heat Transfer, and Corrosion & Materials.

Paper 3 *Answer all questions.*

The topics on this paper are Process Dynamics & Control, Bioprocessing, Particle Processing, and Partial Differential Equations.

Candidates will be provided with the *Chemical Engineering Tripos Data Book* for all papers.

All candidates are required to attend the classes on Engineering Ethics and complete the set work to the satisfaction of the Examiners.

The normal allocation of marks is 100 marks for each Paper, 140 marks for the Design Project, and 60 marks for the Exercises.

R. L. Tuley

Secretary of the Chemical Engineering and Biotechnology Syndicate
1 October 2020