

CHEMICAL ENGINEERING TRIPOS PART IIB
Course 2021–22 and Examination 2022

The structure of the examination is described below.

Topics in Group A and Group D are compulsory for all candidates. Candidates are required to choose a total of **six** topics from Groups B and C, of which at least **two** must come from Group B and at least **two** must come from Group C. Further, at least two of the six modules chosen from Groups B and C should be assessed principally or entirely by written examination.

	<i>Paper Module</i>	<i>Mode of assessment</i>
Group A	Compulsory Topics	
	A1 Compulsory topics	examination + coursework
	A2 Chemical product design	coursework
Group B	Advanced Chemical Engineering Topics	
	B1 Advanced transport processes	examination
	B2 Electrochemical engineering	examination
	B3 Pharmaceutical engineering	examination
	B6 Fluid mechanics and the environment	examination
	B7 Interface Engineering	examination
	B8 Adsorption and advanced nanoporous materials	coursework
Group C	Broadening Material Topics	
	C1 Optical microscopy	examination
	C3 Healthcare biotechnology	coursework
	C5 Foreign language	coursework
	C6 Biosensors and bioelectronics	coursework
	C8 Biophysics	examination
Group D	Research Project	

Arrangements for written examinations

Candidates will be allowed ten minutes of reading time at the start of each examination paper. The approximate number of marks allocated to each part of a question will be indicated on the examination papers. Candidates will be provided with the *Chemical Engineering Tripos Data Book* for all examination papers.

The written component of Paper A1 will be a written examination of a duration of one and half hours. It will contain **two** questions on Energy Technology. The rubric will read '*Answer **all** questions*'. All the questions will carry equal marks.

The written examination papers for Group B and Group C modules will each be of a duration of one and a half hours. Each examination paper will contain two questions. The rubric will read '*Answer **all** questions*'. All the questions will carry equal marks.

Overall allocation of marks

The normal allocation of marks is: 50 marks for the written component and 25 marks for the coursework component of module A1, 50 marks for module A2, 50 marks for each Group B module, 50 marks for each Group C module, and 150 marks for the Group D Project.

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Secretary of the Chemical Engineering and Biotechnology Syndicate
1 October 2021