

Molecular physics

Some of the old final year option papers include questions on molecules. These may be found on the web under FHS Part B (Old Course, June) and Finals before 1995. The following questions might be good ones to look at for purposes of revision.

Important note: These are merely suggestions of questions you may like to look at for the purposes of revision. It should *not be assumed* that the nature, scope and content of these old questions are necessarily representative of questions which will be set for the new BIII papers.

- 2004, Major Option B2, Q5
- 2002, Major Option B2, Q3 *first part only*
- 2001, Major Option B2, Q5 *first two parts only*
- 1998, Major Option B2, Q2 *first part only (6 marks)*
- 1994, physics option B(ii) Atomic Physics, Q5 *excluding 2nd paragraph (10 marks) and last paragraph (5 marks)*
- 1993, physics option B(ii) Atomic Physics, Q7
- 1992, physics option B(ii) Atomic Physics, Q7

Laser physics

The Laser Physics covered by the BIII syllabus is only slightly different from that for the old B2 papers. The main differences are that: the output power of lasers is no longer included; frequency tuning of lasers and inhomogeneous broadening have been added. The following questions should be suitable for revision purposes.

- 2009, paper B2, Q7
- 2008, paper B2, Q7
- 2007, paper B2, Q8
- 2006, paper B2, Q8
- 2005, paper B2, Q7