Oxford Physics receives a large number of applications for places on both the Physics and
Physics and Philosophy courses. In 2007 there were a total of 771 applicants contesting
around 185 places, more than 4 applicants per place. We are, therefore, using a short-listing
process, using the results of our Physics Aptitude Tests to guide us in reducing the number of
applicants to around 2.5 per place.

These tests have been piloted for several years, and are known to be good predictors of future
performance at Oxford; in particular they are better predictors than GCSE results. The tests
are set to a defined syllabus and the contents are checked by school teachers to ensure that
they are set at an appropriate level. Further details including sample papers can be found on
the Oxford Physics Admissions website www.physics.ox.ac.uk/admissions/.

We are extremely grateful to all the schools and test centres for agreeing to host candidates
and for bearing with us through inevitable hitches. The great majority of tests went smoothly,
and in the small number of cases where there were difficulties we have made due allowance
in interpreting marks. We have also taken note of medical certificates and letters drawing
attention to grave events in applicants’ personal lives. We are grateful for the advice we have
received from schools on making the administration of these tests simpler, and expect to make
minor changes reflecting this advice in subsequent years.

Our primary short-listing criterion is the total
mark achieved on the tests, which ranged
from 11 to 96, with a mean mark of 48 and a
standard deviation of 14. More details are
shown in the graph which plots the
cumulative rank of candidates scoring a
certain mark. All applicants scoring above 47
were then short-listed. A small number of
applicants below this cut-off whose
application forms showed other evidence of
excellence were added to give a final short-list
of around 460 candidates who will be invited to Oxford for interview (candidates from
outside Europe will normally be interviewed by telephone).

A key element of the Oxford Admissions process is that the chance of admission should not
depend on the choice of college to apply through. Our short-listing is, therefore, followed by
a reallocation process, in which candidates are transferred from colleges with large numbers
of candidates to colleges with a smaller number of candidates, so as to ensure that the number
of candidates per place is approximately constant across the collegiate university. This year
around 90 candidates were reallocated. Reallocation has been practised by the University for
many years, making it easier for strong candidates to obtain a place at Oxford even if it is not
at their first choice college.