

Syllabus for english TOLC-E

Logic and Reading comprehension section

Logic and reading comprehension questions seek to test in particular the candidate's aptitude rather than the skills acquired in secondary school. Therefore, they do not require a specific preparation.

Mathematics section

Properties and operations on numbers (integers, rationals, real numbers). Absolute value. Polynomials (operations, factorization). First and second degree algebraic equations and inequalities or reducible. Powers and square roots. Exponentials and logarithms. Calculations with logarithms. Fractional, irrational, logarithmic and exponential rational equations and inequalities. Symbolic mathematics. Practical solution of simple linear systems. Cartesian coordinates. Equations of lines and of simple loci (circles, ellipses, parabolas, hyperbola). Graphs of elementary functions.