### DRAFT PERFORMANCE BANDS

#### GENERAL MATHEMATICS

The typical performance in this band:

**Band 6**
- uses a wide variety of problem-solving strategies to solve mathematics problems
- successfully applies mathematical skills and processes across a wide range of topic areas
- communicates mathematical ideas and reasoning clearly and effectively using symbols, numbers, words, diagrams and graphs
- analyses representations of data and makes predictions, inferences and conclusions
- constructs and uses diagrams to solve mathematical problems in familiar and unfamiliar contexts
- makes and justifies informed decisions about financial situations based on appropriate models
- carries out statistical processes to analyse, interpret and compare data
- solves problems involving uncertainty using the basic principles of probability

**Band 5**
- uses a variety of problem-solving strategies to solve mathematical problems
- uses mathematical skills and processes accurately and can apply these in different contexts
- communicates mathematical ideas and reasoning using symbols, numbers, words, diagrams and graphs
- analyses data in symbolic, graphical or tabular forms and makes predictions, inferences and conclusions
- constructs and uses diagrams to solve mathematical problems in familiar contexts
- makes informed decisions about financial situations based on mathematical models
- carries out statistical processes to analyse and compare data
- solves familiar problems involving uncertainty using the basic principles of probability

**Band 4**
- uses some problem-solving strategies to solve familiar mathematical problems
- uses mathematical skills and processes accurately in familiar contexts
- communicates mathematics using symbols, numbers, words, diagrams and graphs
- uses information in graphs, tables or symbols to make predictions, inferences and conclusions
- draws diagrams and graphs to solve familiar mathematical problems
- performs calculations in financial mathematics such as substituting into appropriate formulae
- calculates summary statistics, such as mean and standard deviation
- performs probability calculations to solve familiar problems

**Band 3**
- uses mathematical skills and processes to solve familiar problems
- communicates mathematical results using numbers, words, diagrams and graphs
- uses given diagrams, tables and graphs to make some predictions, inferences and conclusions
- draws simple diagrams when given clear instructions to help solve familiar mathematical problems
- performs basic calculations in financial mathematics
- calculates basic summary statistics, such as mode and range
- performs simple probability calculations to solve familiar problems

**Band 2**
- uses basic mathematical skills and processes to solve simple familiar problems with limited accuracy
- communicates mathematical results using numbers, words, simple diagrams and graphs
- uses given diagrams, tables and graphs to help solve some simple mathematical problems
- performs some basic calculations in financial mathematics with limited accuracy
- recognises language of probability

**Band 1**