

# Assessment Notification



Course	Preliminary Mathematics General
Task	1
Date and time	Wednesday 15 <sup>th</sup> March 2017 Period 1
Time allowed	55 minutes (2 minutes reading time)
Weighting	30%
Nature of task	Written examination style task, approved calculators allowed, reference sheet will be provided.
Topics and outcomes	Algebra & Modelling; Financial Maths Outcomes - MGP-1, MGP-2, MGP-3, MGP-6, MGP-9, MGP-10, AM1, AM2, FM1
Course text	Cambridge Preliminary General Mathematics

## Topics content and text references

### **Chapter 2 Algebraic Manipulation**

Students can be asked to:

- Add and subtract like terms
- Multiply and divide algebraic terms
- Expand and factorise algebraic expression
- Evaluate the subject of the formula through substitution
- Solve linear equations involving up to 3 steps
- Solve equations following substitution

### **Chapter 5 Interpreting linear relationships**

Students can be asked to:

- Graphing linear functions from everyday situations
- Calculating the gradient and vertical intercept
- Using and interpreting graphs of the form  $y = mx + b$
- Solving simultaneous linear equations from a graph
- Using linear functions to model and interpret practical situations

### **Chapter 1 Earning and managing money**

Students can be asked to:

- Calculate payments from a salary
- Calculate wages using hourly rate, overtime rates and allowances
- Calculate annual leave loading and bonuses
- Calculate earnings based on commission, piecework and royalties

## Preparation

- Write summary notes of the topics listed above
- Study the outcomes listed above using the text references and other resources provided
- It is your responsibility to bring all required equipment to the assessment (clarify requirements with teacher)