Advance information June 2022

Level 3 Certificate Mathematical Studies (1350)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for Level 3 Certificate Mathematical Studies (1350).

Information

- This advance information covers Paper 1 only.
- The information lists the content of the Analysis of data and Maths for personal finance sections of the specification that will be assessed. All of the content on Estimation will be assessed.
- All preliminary materials provided for the assessments will be issued as usual.
- It is **not** permitted to take this information into the examination.

Advice

- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, for example to review whether other topics may provide knowledge which helps understanding in relation to the areas being tested in 2022.
- Students will be credited for using any relevant knowledge from any non-listed topic areas when answering questions. Where areas have been listed, there is no expectation of knowledge beyond that identified in order to achieve full marks.
- Students will still be expected to apply their knowledge to unfamiliar contexts.

Focus of the June 2022 exam

The following content of the Analysis of data and Maths for personal finance sections of the specification will be assessed. All of the content on Estimation will be assessed.

Spec section	Content	Additional information
D1 Data	D1.1 appreciating the difference between qualitative and quantitative data	Including the difference between discrete and continuous data
D2 Collecting and sampling data	D2.2 appreciating the strengths and limitations of random, cluster, stratified and quota sampling methods and applying this understanding when designing sampling strategies	Stratified sampling only

D3 Representing data numerically	D3.1 calculating/identifying mean, median, mode, quartiles, percentiles, range, interquartile range, standard deviation D3.2 interpreting these numerical measures and reaching conclusions based on these measures	Mean, median, quartiles, range and interquartile range only
D4 Representing data diagrammatically	D4.1 constructing and interpreting diagrams for grouped discrete data and continuous data, knowing their appropriate use and reaching conclusions based on these diagrams	Histogram, stem and leaf and box and whisker plots only
F1 Numerical calculations	F1.1 substituting numerical values into formulae, spreadsheets and financial expressions F1.3 applying and interpreting limits of accuracy, specifying simple error intervals due to truncation or rounding	
F2 Percentages	F2.1 interpreting percentages and percentage changes as a fraction or a decimal and interpreting these multiplicatively F2.2 expressing one quantity as a percentage of another F2.3 comparing two quantities using percentages F2.4 working with percentages over 100% F2.5 solving problems involving percentage change	Percentage increase only
F3 Interest rates	F3.1 simple and compound interest F3.2 savings and investments	Compound interest only
F4 Repayments and the cost of credit	F4.1 student loans and mortgages	Mortgages only
F5 Graphical representation	F5.1 graphical representation	
F6 Taxation	F6.1 income tax, National Insurance, Value Added Tax (VAT)	Income tax and National Insurance only
F7 Solution to financial problems	F7.1 the effect of inflation F7.2 setting up, solving and interpreting the solutions to financial problems, including those that involve compound interest using iterative methods F7.4 budgeting	RPI only

END OF ADVANCE INFORMATION