MAT 2003 Relevance Checker

- Red: Question not relevant for current syllabus.

- Orange: Question not entirely relevant for current syllabus but worth attempting. See comments.

- Black: Question relevant for current syllabus.

1. Multiple Choice

(A). Solutions of Quadratic

This question is relevant for the current syllabus.

(B). Approximating Logarithms

This question is relevant for the current syllabus.

(C). Trigonometric Equations

This question is relevant for the current syllabus, although it would use degrees rather than radians on a modern paper.

(D). Definite Integral

This question uses advanced integration results and is not relevant for the current sylabus.

(E). Fractional Inequality

This question is relevant for the current syllabus.

(F). First to Throw Six

This question is relevant for the current syllabus.

(G). Differential Equation

This question involves either solving differential equations or using the chain rule to differentiate. In either case, it is not relevant for the modern syllabus.

(H). Dividing the Plane

This question is relevant for the current syllabus.

(I). Buying Biscuits

This question is relevant for the current syllabus.

(J). Identifying the True Statement

This question is relevant for the current syllabus except that it involves the modulus function. If it were asked on a modern paper, they would need to give you the definition of $|x|$ rather than treating it as assumed knowledge. Specifically, $|x|$ is x if $x \geq 0$ and $-x$ otherwise.

2. Fun with Factorials

The entirety of this question is relevant for the current syllabus.

3. Cartesian Geometry

The entirety of this question is relevant for the current syllabus.

4. Family of Quadratics

The entirety of this question is relevant for the current syllabus.

5. Light Bulbs

The entirety of this question is relevant for the current syllabus.