

Software Technology Engineering

Please tick off if you have any knowledge to the following topics:

| Topic | Description | Included in your programme | Not included in your programme |
|----------------------------------|---|----------------------------|--------------------------------|
| Functions including one variable | Domain and range | | |
| | Inverse functions | | |
| | Linear functions | | |
| | Polynomials | | |
| | Rational functions | | |
| | Trigonometric functions (sine, cosine and tangent) | | |
| | Exponential and logarithm functions (including the laws of these) | | |
| Differentiation | The concept of limit | | |
| | Tangents and normals | | |
| | Rules of operations for differentiation (product, quotient, chain rule) | | |
| Integration | Indefinite integral | | |
| | The definite integral | | |
| | Rules for the integral | | |
| | Integration by substitution | | |
| | Integration by parts | | |
| | Calculation of areas by integration | | |
| | Calculation of volumes of revolution by integration | | |
| Vectors in two dimensions | Rules of operations for vectors in two dimensions | | |
| | Scalar product | | |
| | Vectors in coordinate geometry | | |
| Vectors in three dimensions | Rules of operations for vectors in three dimensions | | |
| | Cross product | | |
| | Vector equations | | |
| Differential equations | General/particular solution | | |
| | Separable equations of first order | | |

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Name:

Birthday:

Signature:
