## Learning contents of DSE Compulsory Part

1. **Number and Algebra Strand**

Unit 1 Quadratic equations in one unknown

Unit 2 Functions and graphs

Unit 3 Exponential and logarithmic functions

Unit 4 More about polynomials

Unit 5 More about equations

Unit 6 Variations

Unit 7 Arithmetic and geometric sequences and their summations

Unit 8 Inequalities and linear programming

Unit 9 More about graphs of functions

1. **Measures, Shape and Space Strand**

Unit 10 Equations of straight lines

Unit 11 Basic properties of circles

Unit 12 Loci

Unit 13 Equations of circles

1. **Data Handling Strand**

Unit 14 More about trigonometry

Unit 15 Permutations and combinations

Unit 16 More about probability

Unit 17 Measures of dispersion

1. **Further Learning Unit**

Unit 18 Uses and abuses of statistics

Unit 19 Further applications

Unit 20 Inquiry and investigation