

## Chemistry

Assessment 1	Friday 26 <sup>th</sup> March
Assessment 2	13A(FR/MS) Wednesday 31 <sup>st</sup> March 13C(JNB/FMJ) Thursday 1 <sup>st</sup> April
EASTER HOLIDAYS – 2 Weeks	
Assessment 3	Friday 23 <sup>rd</sup> April
Assessment 4	Friday 30 <sup>th</sup> April
Assessment 5	Friday 7 <sup>th</sup> May
Assessment 6	Friday 14 <sup>th</sup> May

You should assume that calculations of one kind or another will be present on all papers, and be prepared for any organic mechanism on assessments 3 and 4

### Assessment 1 Topics

- 3.1.1 Atomic structure
- 3.1.8 Thermodynamics\* (\* but not Gibbs free energy or entropy)
- 3.1.12 Acids and bases
- 3.2.1 Periodicity
- 3.2.4 Properties of period 3 elements and their oxides

### Assessment 2 Topics

- 3.1.2 Amount of substance
- 3.1.3 Bonding/Shapes of molecules
- 3.1.7 Oxidation, reduction and redox equations
- 3.1.10 Equilibrium constant K<sub>p</sub> (gas equilibria)
- 3.2.3 Group 7, the halogens
- 3.2.6 Reactions of ions in aqueous solution

### Assessment 3 Topics (Remember your reagents and mechanisms)

- 3.1.2 Amount of substance
- 3.1.9 Rate equations (including practical)
- 3.3.3 Haloalkanes
- 3.3.5 Alcohols
- 3.3.6 Organic analysis
- 3.3.9 Carboxylic acids and their derivatives/Acylation (including practical)

### Assessment 4 Topics (Remember your reagents and mechanisms)

- 3.1.2 Amount of substance
- 3.1.6 Equilibrium constant,  $K_c$
- 3.3.5 Alcohols
- 3.3.9 Carboxylic acids and their derivatives/Acylation
- 3.3.14 Organic synthesis
- 3.3.15 Nmr spectroscopy

#### **Assessment 5 Topics**

- 3.1.2 Amount of substance
- 3.1.4 Energetics (including practical)
- 3.1.9 Rate equations (including practical)
- 3.2.4 Properties of period 3 elements and their oxides
- 3.2.5 Transition metals
- 3.3.2 Alkanes

#### **Assessment 6 Topics**

- Multiple choice questions from all parts of the specification