Grade 9 unit 1 & unit 2 with Grade 11 unit 1:			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
1.1 Introduction	0		
1.2 Dalton's Atomic Theory and the Modern Atomic Theory	1	3	
1.3 Early Experiments to Characterize the Atom	4	4	
1.4 Make-up of the Nucleus	7	6	1
1.5 Electromagnetic Radiation and Atomic Spectra	26		2
1.6 The Quantum Mechanical Model of the Atom	12		
1.7 Electronic Configurations and Orbital Diagrams	10	1	
1.8 Electronic Configurations and the Periodic Table of the Elements	4	21	5
*1. 4 The Atomic Models	3	3	

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Grade 9 unit 3 & Grade 11 unit 2			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
2.1 Introduction	3	1	
2.2 Ionic Bonds	7	6	1
2.3 Covalent Bonds and Molecular Geometry	48	12	7
2.4 Metallic Bonding	3	0	
2.5 Chemical Bonding Theories	20		2
2.6 Types of Crystal	3		

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Grade 9 unit 4			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
4.1 Introduction			
4.2 Fundamental Laws of Chemical Reactions	3	4	1
4.3 Chemical Equations		4	
4.4 Energy Changes in Chemical Reactions	4	7	1
4.5 Types of Chemical Reactions	1	5	2
4.6 Stoichiometry	3	5	1
4.7 Oxidation and Reduction Reactions	2	9	
4.8 Rate of Chemical Reaction and Chemical Equilibrium	6	10	

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Grade 9 unit 5 and Grade 11 unit 3			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
5.1 Introduction		2	
5.2 Kinetic Theory and Properties of Matter	2	5	1
5.3 The Gaseous State	6	9	2
5.4 The Liquid State	1	3	1
5.5 The Solid State	1	3	1

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Grade 10 unit 1			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
1.1 Introduction	1	4	
1.2 Saturated Hydrocarbons Alkanes	2	7	
1.3 Unsaturated Hydrocarbons Alkenes and Alkynes	4	9	3
1.4 Aromatic Hydrocarbons Benzene	1	2	1
1.5 Natural Sources of Hydrocarbons	3	9	1
1.6 Alcohols	2	11	
1.7 Industrial and Agricultural Applications of Organic Compounds		3	

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Grade 10 unit 2			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
2.1 Introduction			
2.2 Oxides	1	5	1
2.3 Acids	4	9	1
2.4 Bases	2	10	1
2.5 Salts	2	7	1

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Grade 10 unit 3 and Grade 12 unit 2			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
2.2 Oxidation-Reduction Reaction	6		1
2.3 Electrolysis of Aqueous Solution and Molten state	13	8	2
2.4 Quantitative Aspects of Electrolysis	8		
2.5 Industrial Application of Electrolysis	2	1	1
2.6 Voltaic Cell	21	5	

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Grade 10 unit 4 and Grade 12 unit 3			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
3.1 Introduction			
3.2 Natural Resources and Industrial	5	5	
3.4 Manufacturing of Valuable Products/ Chemical			3
3.5 Some Manufacturing Industries in Ethiopia	1	3	4
*4.4 Production of some Important Metals and Non-Metals	12	8	1
*4.5 Environmental Pollution	2	6	

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Grade 11 unit 4			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
4.1 Introduction			
4.2 The Rate of a Reaction	21		2
4.3 Factors Affecting the Rate of a Chemical Reaction	10		

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Grade 11 unit 5			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
5.2.1 Reversible and Irreversible Reaction	1		1
5.2.2 Attainment and Characteristics of Chemical Equilibria	2		
5.2.3 Conditions for Attainment of Chemical Equilibrium	2		
5.2.4 Equilibrium Expression and Equilibrium Constant	15		2
5.2.5 Applications of Equilibrium Constant	5		1
5.2.6 Changing Equilibrium Conditions: Le-Chatelier's Principle	9		
5.2.3 Equilibrium and Industry	3		

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Grade 11 unit 6			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
6.2 Alcohols and Ethers	4		1
6.3 Aldehydes and Ketones	3		
6.4 Carboxylic Acids	12		3
6.5 Esters	10		1
6.6 Fats and Oils	10		

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Grade 12 unit 1			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
1.1 Acid-Base Concept	15		3
1.2 Ionic Equilibria of Week Acids and Bases	19		4
1.3 Common Ion Effect and Buffer Solution	10		1
1.4 Hydrolysis of Salt	4		
1.5 Acid–Base Indicators and Titration	8		3

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Grade 12 unit 4			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
4.1 Introduction to Polymer			
4.2 Polymerization Reactions	4		1
4.3 Classification of Polymer	16		2

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Grade 12 unit 5			
Contents	UEE 2008-15	Matric 2008-2010	UEE 2016
5.1Introduction			3
5.2 Environmental Pollution			1
5.3 Global Warming and Climate Change			
5.4 Green Chemistry and Cleaner Production			

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