



ZIAUDDIN UNIVERSITY EXAMINATION BOARD

EXAMINATION SYLLABUS 2020-2021

Grade: IX

Subject: Chemistry

This exam syllabus is produced to facilitate teachers, students and the test setters to teach, learn and assess subject specific learning. This syllabus is condensed to align the course content with the teaching learning time during COVID 19.

DETAIL SYLLABUS

TOPICS / THEMES	Sub Topic	TEXT BOOK PAGE NUMBER	COGNITIVE LEVELS		
			K	U	A
Fundamentals of Chemistry	1.1 What is chemistry(Definition and it's importance) 1.4 Branches of chemistry	PAGE NO : 1 PAGE NO : 5-6	✓		
Chemical Combination	2.1 Laws of chemical combination 2.2 Atomic mass (only subtopics 2.2.2 , 2.2.3, 2.2.4) 2.3 The Mole (problem) 2.4 Chemical reaction (only subtopics 2.4.1 , 2.4.2 , 2.4.3 , 2.4.4 , 2.4.5)	PAGE NO : 11- 17 PAGE 17-20 PAGE 20-25 PAGE 25-33	✓ ✓ ✓	✓ ✓	✓ ✓ ✓
Atomic Structure	3.3 Rutherford Atomic model 3.4 Atomic Number and Mass number (only subtopic 3.4.1) 3.5 Electronic configuration based on Bohr's model	PAGE 47-49 PAGE 49-50 PAGE 52-53	✓ ✓ ✓	✓ ✓	✓ ✓
Periodicity of Elements	4.1 The Search for a Classification (Only sub topic 4.1.5, 4.1.6 and 4.1.7) 4.2 Some Periodic Properties of Atoms	PAGE 63-69 PAGE 70-74	✓	✓	✓ ✓
Chemical Bonding	5.1 Introduction 5.2 Formation of Chemical Bonds 5.3 Types of Chemical Bonds 5.4 Ionic Bond or Electrovalent Bond 5.5 Covalent Bond 5.6 Co-Ordinate Covalent Bond or Dative Covalent Bond	PAGE 78 PAGE 79 PAGE 79 PAGE 79-81 PAGE 81-86 PAGE 86-88	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
State of Matter	6.1 Common State of Matter 6.2 Diffusion in Gases and Liquids	PAGE 98-100 PAGE 62	✓	✓	✓
Solution and Suspension	7.1 Solution 7.2 Factors Affecting Solubility 7.5 Strengths of a Solution	PAGE 104-105 PAGE 105-106 PAGE 109-112	✓ ✓	✓ ✓	✓ ✓
Electrochemistry	8.1 Electrolyte & Non-Electrolyte 8.3 Faraday's Law of Electrolysis	PAGE 118-119 PAGE 124-128	✓ ✓	✓	✓ ✓
Acids, Bases and Salts	9.2 Properties of Acids & Bases (Only properties) 9.4 Salts (Only Types of Salts) 9.5.2 The Concept of pH with Numerical	PAGE 140-141 PAGE 147-148 PAGE 154-156	✓ ✓ ✓	✓	✓ ✓
Chemical Energetics	Condensed full chapter b/c it will be covered in XI	-			

