HABITAT SCHOOL
AL JURF, AJMAN

SYLLABUS FOR UNIT TEST 2
GRADE 12 SCIENCE

SUBJECT	PORTIONS

ENGLISH	**Reading Comprehension:**
	Unseen passage (factual, descriptive or literary/ discursive or persuasive)
	Case Based Unseen (Factual) Passage
	Creative Writing Skills :
	Short Writing Tasks
	Formal and Informal invitation and Reply
	Long Writing Tasks
	Article Writing
	Report Writing
	Job Application
	
	Literature:
	Flamingo (Prose)
	 Deep Water
	 The Rattrap
	  Indigo
	  Poets and Pancakes
	The Interview
	Going Places
	Flamingo (Poetry)
	A Thing of Beauty
	A Roadside Stand
	Aunt Jennifer's Tigers
	Vistas (Prose)
	The Tiger King
	 Journey to the end of the Earth
	 On the Face of It
	 Memories of Childhood

MATHEMATICS	Chapter 1: Relations and functions Chapter 2: Inverse Trigonometric Functions. Chapter 3: Matrices Chapter 4: Determinants. Chapter 5: Continuity and Differentiability Chapter 6: Applications of derivatives Chapter 7: Integrals Chapter12:Linear Programming

PHYSICS	Chapter 1:Electric charges and fields Chapter 2:Electrostatic potential and capacitance Chapter 3:Current Electricity Chapter 4:Moving charges and magnetism Chapter 5:Magnetism and matter Chapter 6:Electromagnetic induction Chapter 7:Alternating currents Chapter 8:Electromagnetic waves Chapter 9:Ray Optics and Optical instruments Chapter 10:Wave Optics Chapter 11:Dual nature of radiation and matter
CHEMISTRY	Chapter 2-Solutions Chapter 3-Electrochemistry Chapter 4-Chemical kinetics Chapter 8-D and F Block Elements Chapter 9-Coordination Compounds Chapter 10-Haloalkanes and Haloarenes Chapter 11-Alcohols ,Phenols and Ethers
BIOLOGY	Chapter 2:Sexual Reproduction In flowering Plants Chapter 3: Human Reproduction Chapter 4:Reproductive Health Chapter 5:Principles of Inheritance and Variation Chapter 6:Molecular Basis of Inheritance Chapter 8:Human Health and Diseases Chapter 10:Microbes In human Welfare Chapter 11:Biotechnology Principles and Process Chapter 12:Biotechnology and Its Application

IP	**Unit 1: Data Visualization** :
	    ● Purpose of plotting, drawing and saving of plots using Matplotlib.
	    ● Line plot, bar graph,histogram.
	    ● Customizing plots: adding label, title, and legend in plots.
	
	Unit 2: Database Query using SQL
	    ● Math functions: POWER (), ROUND (), MOD ().
	    ● Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM ().
	    ● Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME ().
	    ● Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).
	    ● Querying and manipulating data using Group by, Having, Order by.
	
	Unit 4: Societal Impacts

	- Digital footprint, net and communication etiquettes, - Data protection, - IPR - Plagiarism,licensing and copyright - Cybercrime and cyber laws,hacking, phishing,cyber bullying
ISLAMIC	Unit 4 , Lesson 1 : Marriage is path to chastity Unit 5 , Lesson 2 : Tolerance towards the people of different faith Unit 6 , lesson 4 : Sheikh Zayed bin Sultan (R.) Unit 2, Lesson 4: The five purposes of Legislation
ARABIC	الطعام والشراب أقسام الكلمة الضمائر مثنى وإعرابه