Academic Year العام الدراسي	2023/2024
Term الفصل	3
Subject المادة	Mathematics/Reveal الرياضيات/ريفيل
Grade الصف	10
Stream المسار	Advanced المتقدم
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	4
Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	(4-12)
Type of All Questions نوع كافة الأسئلة	MCQ/ الأسئلة الموضوعية FRQ/ الأسئلة المقالية
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation -طريقة التطبيق	SwiftAssess & Paper-Based
Calculator	Allowed
الآلة الحاسبة	مسموحة

Question* السؤال*		Learning Outcome/Performance Criteria** ناتج التعلم/ معاييرالأداء**	Reference(s) in the Student Book (English Version) المرجع في كتاب الطالب (النسخة الانجليزية)	
			Example/Exercise مثال/تمرين	Page الصفحة
MCQ - الأسئلة الموضوعية	1	Graph and analyze power functions	1 to 6	79
	2	Graph and analyze polynomial functions	7 to 21	79 + 80
	3	Find extrema of polynomial functions	5 to 11	89
	4	Multiply polynomials	13 to 28	97
	5	Divide polynomials by using synthetic division	11 to 16	105
	6	Solve polynomial equations by graphing	1 to 14	121
	7	Solve polynomial equations by writing them in quadratic form and factoring	16 to 27	128
	8	Evaluate functions by using synthetic substitution.	45 to 58	140 + 141
	9	Use the Factor Theorem to determine factors of polynomials	23 to 30	139
	10	Use the Fundamental Theorem of Algebra to determine the numbers and types of roots of polynomial equations	1 to 28	149
	11	Determine the numbers and types of roots of polynomial equations, find zeros, and use zeros to graph polynomial functions	29 to 45	150
	12	Find compositions of functions	9 to 18	164
	13	Verify that two relations are inverses by using compositions.	17 to 24	172
	14	•Simplify expressions in exponential or radical form.	13 to 30	179 + 180
	15	Find inverses of relations	1 to 16	171 + 172
FRQ - الأسئلة المقالية	16	Divide polynomials by using long division	1 to 10	105
	17	Solve polynomial equations by factoring	1 to 15	127
	18	Find sums, differences, products, and quotients of functions	1 to 8 38 to 44	163 166
	19	Expand powers of binomials by using Pascal's Triangle and the Binomial Theorem	1 to 16	111
	20	Simplify expressions involving radicals and rational exponents	1 to 12	179

*	Questions might appear in a different order in the actual exam.
*	قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي.
**	As it appears in the textbook, LMS, and (Main_IP).
**	كما وردت في كتاب الطالب وLMS والخطة الفصلية .