Academic Year	2023/2024
العام الدراسي	
Term	1
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفيل
Grade	11
الصف	
Stream	Advanced
المسار	المتقدم
Number of MCQ	15
عدد الأسئلة الموضوعية	
Marks of MCQ	4
درجة الأسئلة الموضوعية	
Number of FRQ	7
عدد الأسئلة المقالية	
Marks per FRQ	(6-10)
الدرجات للأسئلة المقالية	
Type of All Questions	الأسئلة الموضوعية / MCQ
نوع كافة الأسئلة	الأسئلة المقالية / FRQ
Maximum Overall Grade	100
الدرجة القصوى الممكنة	
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation - طريقة التطبيق	Paper-Based
Calculator	Allowed
الآلة الحاسبة	مسموحة

	Question* السؤال*	Learning Outcome/Performance Criteria** ناتج التعلم/ معايير الأداء**	Example/Exercise مثال/تمرين	Page الصفحة
			Reference(s) in the Student Book (Arabic Version) المرجع في كتاب الطالب (النسخة العربية)	
MCQ/ الأسئلة الموضوعية	1	Graph exponential growth functions.	Exercises (17-34)	P222
	2	Solve exponential equations in one variable	Exercises (44-52)	P231
	3	Write logarithmic expressions in exponential form and write exponential expressions in logarithmic form	Exercises (1-21)	P265
	4	Simplify expressions with natural logarithms	Exercises (1-27)	P291
	5	Write and solve exponential decay equations.	Exercises (6-13)	P302 &303
	6	Simplify rational expressions.	Exercises (1-16)	P315
	7	Simplify rational expressions by multiplying and dividing.	Exercises (20-35)	P316
	8	Graph and write reciprocal functions by using transformations.	Exxample5	P332
	9	Recognize and solve direct and joint variation equations	Exercises (1-12)	P351
	10	Classify sampling methods and identify bias in samples and survey questions.	Exercises (1-10)	P375
	11	Analyze standardized data and distributions by using z-values	Exercises (6-10)	P401
	12	Convert between degree and radian measures and find arc lengths by using central angles.	Exercises (66-73)	P422&423
	13	Find values of trigonometric functions of general angles.	Exercises (13-27)	P431
	14	Find values of trigonometric functions by using reference angles	Exercises (28-47)	P432
	15	Graph vertical translations of trigonometric functions.	Example5	P468
FRQ/ الأسئلة المقالية	16	Solve exponential inequalities in one variable.	Exercises (21-42)	P230
	17	Write logarithmic expressions in exponential form and write exponential expressions in logarithmic form	Exercises (43-52)	P267&268
	18	Solve logarithmic equations using properties of equality.	Exercises (27-42)	P274
	19	Simplify rational expressions by adding and subtracting.	Exercises (20-35)	P324
	20	Recognize and solve inverse and combined variation equations.	Exercises (62-68)	P354
	21	Compare theoretical and experimental probabilities.	Exercises (1-5)	P383
	22	Graph horizontal translations of trigonometric functions.	Exercises (1-18)	P469

*	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.