Academic Year العام الدراسي	2023/2024
Term الفصل	1
Subject المادة	Mathematics/Bridge الرياضيات/بريدج
Grade الصف	11
Stream المسار	Elite النخبة
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	(6-10)
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 الآلة الحاسبة	Allowed مسموحة

	Question* السؤال*	Learning Outcome/Performance Criteria** نتاج التعلم/ معايير الأداء**	Reference(s) in the Student Book (Arabic Version) المرجع في كتاب الطالب (النسخة العربية)	
			Example/Exercise مثال/تمرين	Page الصفحة
MCQ - الأسئلة الموضوعية	1	Solve vector problems and resolve vectors into their rectangular components	42-49	11
	2	Represent and operate with vectors in the coordinate plane / Write a vector as a linear combination of unit vectors	38-51	19
	3	Find the dot product of two vectors and use the dot product to find the angle between them	33-41	28
	4	Express algebraically and operate with vectors in space	36-47	36
	5	Graph points with polar coordinates	30-41	60
	6	Identify and graph classical curves	47-53	70-71
	7	Convert between polar and rectangular equations	57-66	80
	8	Identify polar equations of conics	1-9	88
	9	Use sigma notation to represent and calculate sums of series	103-112	120
	10	Find sums of n terms of arithmetic series	46-53	127
	11	Find nth terms and geometric means of geometric sequences	1-17	137
	12	Use mathematical induction to prove summation formulas and properties of divisibility involving a positive integer n	1-10	147
	13	Construct a probability distribution, and calculate its summary statistics	7-10	195
	14	Find area under normal distribution curves	1-10	205
	15	Find normal approximations of binomial distributions	7-11	216-217
FRQ - الأسئلة المقالية	16	Find cross products of vectors in space, and use cross products to find area and volume	60-65	45
	17	Find products, quotients, powers, and roots of complex numbers in polar form	10-17 / 26-45 55-61	99 99
	18	Use the Binomial Theorem to write and find the coefficients of specified terms in binomial expansions	65-67	156
	19	Use power series representations to approximate values of transcendental functions	52-58	165
	20	Use the normal distributions to find confidence intervals for the mean	1-12	226

* Questions might appear in a different order in the actual exam, or on the exam paper in the case of G3, G4 and G5.

* قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي، أو على ورقة الامتحان في حالة الصفوف G4، G3و G5

** As it appears in the textbook, LMS, and (Main_IP).

** كما وردت في كتاب الطالب وLMS والخطة الفصلية.