

Academic Year	2022/2023
العام الدراسي	
Term	3
المصطلح	
Subject	Chemistry (English)
المادة	الكيمياء (الإنجليزية)
Grade	10
الصف	
Stream	Advanced
النظام	المتقدم
Number of Main Questions	Part (1) - 6
عدد الأسئلة الرئيسية	Part (2) - 10
	Part (3) - 4
Marks per Main Question	Part (1) - 5
الدرجات لكل سؤال أساسي	Part (2) - 5
	Part (3) - 5
Number of Bonus Questions	2
عدد الأسئلة الإضافية	
Marks per Bonus Question	5
الدرجات لكل سؤال إضافي	
Type of Questions	Part (1) and (2) MCQ
نوع الأسئلة	Part (3) MCQ
Maximum Overall Grade	110
الدرجة القصوى الإجمالية	
Exam Duration	120 minutes
مدة الامتحان	
Mode of Implementation	Self-Assess & Paper-Based
طريقة التنفيذ	
Calculator	Allowed
آلة حاسبة	مسموحة

Question**	Learning Outcomes***	References (i) in the Student Book (Arabic Version)	
		المراجع في كتاب الطالب (النسخة العربية)	Page
السؤال	نتائج التعلم	أمثلة/تمارين من الكتاب	الصفحة
Part 1: MCQ	1	Use the kinetic-molecular theory to explain the behavior of gases	student textbook
	4	List examples for the intramolecular forces	student textbook + Table 2 + figure 9
	11	Compare the properties of real gases and ideal gases	student textbook + figure 7
	14	Compare the properties of suspensions, colloids, and solutions	student textbook
	15	Describe the electrostatic forces in colloids	student textbook
	20	Explain the effect of the intermolecular forces on solvation	student textbook + figures 12 ,13
	2	Show the effect of mass on the rates of diffusion and effusion	student textbook + Example problem 1 + practice problems
	3	Calculate the partial pressure of a gas by measuring the total pressure of gases mixture	student textbook + Example problem 2+ practice problems
	5	Show the effect of intramolecular forces in the properties of matters	student textbook + figure 11 + Table 3
	6	Use the gas laws to solve problems involving the pressure, temperature, and volume of a constant amount of gas	student textbook + figure 1 + example problem 1 + practice problems
Part 2: MCQ	7	Use the gas laws to solve problems involving the pressure, temperature, and volume of a constant amount of gas	student textbook + figure 2 + example problem 2 + practice problems
	9	Relate the amount of gas present to its pressure, temperature, and volume by the ideal gas law	student textbook + Example problem 6 + practice problems
	12	Calculate the amounts of gaseous reactants and products in a chemical reaction	student textbook + example problem 7 + practice problems
	16	List the types of colloids and solutions	student textbook + figure 5
	17	Describe the concentration of solutions by using different units	student textbook + example problem 2 + practice problems
	18	Describe the concentration of solutions by using different units	student textbook + figure 15 + example problem 5 + practice problems
	8	Relate Avogadro's principle the number of particles of gas to the gas's volume	student textbook + figure 5 + example problem 5 + practice problems
	10	Relate the amount of gas present to its pressure, temperature, and volume by the ideal gas law	student textbook
	13	Calculate the amounts of gaseous reactants and products in a chemical reaction	student textbook + example problem 8 + practice problems
	19	Describe the concentration of solutions by using different units	student textbook + figure 8
Part 3: MCQ	21	Unpublished	Unpublished
	22	Unpublished	Unpublished
<p>While the overall number of marks is 110, the student's final grade will be out of 100. Example: If a student scores 75 on the exam, the mark will be 75 and if (he scores 107, it will be reported as 100 (maximum possible grade).</p> <p>مع أن مجموع الدرجات الكلية هو 110، فإن درجة الطالب (أو) النهاية تحسب من 100. مثال: إذا حصل الطالب على 75 من 110 في الامتحان، فدرجة الطالب ستكون 75 وإذا حصل على 107، فدرجة الطالب ستكون 100 (الدرجة القصوى الممكنة).</p>			
<p>Questions might appear in a different order in the actual exam, and bonus questions will be clearly marked on the system (or on the exam paper in the case of GE and GIG).</p> <p>قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي، وسيتم تحديد الأسئلة الإضافية بوضوح على النظام (أو على ورقة الامتحان في حالة GE و GIG).</p>			
<p>As it appears in the textbook, LMS, and scheme of work (SoW).</p> <p>كما وردت في كتاب الطالب وLMS وخطة التدريس.</p>			
<p>The 2 bonus questions will target LQs from the SoW. These LQs can be within the ones used for the main questions or any other ones listed in the SoW.</p> <p>مستهدف الأسئلة الإضافية نتائج التعلم من الخطة الدراسية. يمكن أن تكون النواتج التعليمية هذه ضمن تلك المستخدمة كأسئلة الرئيسية أو أي أسئلة أخرى مدرجة في الخطة الدراسية.</p>			