Academic Year العام الدراسي	2024/2025
Term الفصل	1
Subject المادة	Science/Inspire العلوم/انسبير
Grade الصف	7
Stream المسار	General العام
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	4
Number of FRQ عدد الأسئلة المقالية	4
Marks per FRQ الدرجات للأسئلة المقالية	7 to 12
Type of All Questions نوع كافة الأسئلة	MCQ / لأسئلة 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/ معايير الأداء**	Grade 7 General Science Book Example/Exercise مثال/تمرين	Page الصفحة	PDF Question Number PDF Question number in MCQ section
MCQ - الأسئلة الموضوعية	1	Students will describe how energy is transferred between producers, consumers, and decomposers in ecosystems.	Trophic levels figure	38	1
			Three-Dimensional Thinking	41	2
	2	Students will explore the dynamic nature of ecosystems. Focusing on both natural changes and human disruptions. They will evaluate how and argue that changes to physical or biological components of an ecosystem affect populations within the ecosystem	Collect Evidence	118	3
			Real-World Connection (Q4)	122	4
	3	Students will describe how energy is transferred between producers, consumers, and decomposers in ecosystems.	Text in page	30	5
			Definition from text	30	6
	4	Students will understand that in organisms, food moves through a series of chemical reactions and the molecules are rearranged to support growth or release energy.	Collect Evidence	19	7
			How are photosynthesis and cellular respiration related?	20	8
			Real-World Connection (Q5)	24	9
	5	Students will describe how matter cycles through living and non-living parts of ecosystem. Understand that atoms are conserved as they cycle through the ecosystem.	Collect Evidence	52	10
			Summarize it	56	11
	6	Students will understand the effects of different limiting factors such as resource availability on organisms and populations of organisms in an ecosystem.	Definition from text	80	12
			Definition from text	80	13
	7	Students will explore patterns of interactions among organisms.	Collect Evidence	98	14
			Summarize it	100	15
	8	Students will explore the dynamic nature of ecosystems. Focusing on both natural changes and human disruptions.	Collect Evidence	118	16
			Real-World Connection (Q5)	122	17
	9	Students will describe how matter cycles through living and non-living parts of ecosystem.	Collect Evidence	53	18
			Nitrogen Cycle figure	53	19
			Three-Dimensional Thinking	57	20
	10	Students will understand that in organisms, food moves through a series of chemical reactions and the molecules are rearranged to support growth or release energy.	Collect Evidence	15	21
			Q1	22	22
	11	Students will explore the dynamic nature of ecosystems. Focusing on both natural changes and human disruptions.	Definition from text	115	23
			Three-Dimensional Thinking	121	24
	12	Students will understand the effects of different limiting factors such as resource availability on organisms and populations of organisms in an ecosystem.	Definition from text	77	25
			Investigation	78	26
	13	Students will describe how energy is transferred between producers, consumers, and decomposers in ecosystems.	Three-Dimensional Thinking	35	27
			Go online	38	28
			Three-Dimensional Thinking	41	29
	14	Students will describe how matter cycles through living and non-living parts of ecosystem.	Collect Evidence	50	30
			Definition from text	50	31
	15	Students will explain how light energy is used to make sugars from carbon dioxide and water through the process of photosynthesis.	Investigation	10	32
			Information from text	11	33
FRQ - الأسئلة المقالية					PDF Question number in FRQ section
	1	Students will explain for how light energy is used to make sugars from carbon dioxide and water through the process of photosynthesis.	Collect Evidence	15	1
			Three-Dimensional Thinking	20	3
		Students will understand that in organisms, food moves through a series of chemical reactions and the molecules are rearranged to support growth or release energy.	Collect Evidence	19	2
			Q1	22	4
	2	Students will describe how energy is transferred between producers, consumers, and decomposers in ecosystems.	Evidence (A)	28	5
			Three-Dimensional Thinking	35	6
			Collect Evidence	38	7
			Go online	38	8
			Trophic levels figure	38	9
			Summarize it	40	10
	3	Students will describe how matter cycles through living and non-living parts of ecosystem.	Collect Evidence	50	11
			Collect Evidence	52	12
			Collect Evidence	53	13
			Oxygen cycle figure	54	14
			Collect Evidence	54	15
		Students will understand that atoms are conserved as they cycle through the ecosystem.	Summarize it	56	16
	4	Students will analyze and interpret data to explore how organisms are dependent on their interactions with living and nonliving factors in their environment.	Collect Evidence	75	17
		Students will explore patterns of interactions among organisms. They will explain the nature of these relationships and understand that they may be symbiotic or nonsymbiotic.	Three-Dimensional Thinking	95	18
			Collect Evidence	95	19
			It's your turn	96	20
			Summarize it	100	21
		Students will explore the dynamic nature of ecosystems. Focusing on both natural changes and human disruptions.	Definition from text	109	22
			Definition from text	109	23
			Definition from text	115	24
			Collect Evidence	115	25

*	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 .