

Academic Year	2023/2024
العام الدراسي	
Term	3
الفصل	
Subject	Biology/Bridge
المادة	الأحياء/جسر
Grade	12
الصف	
Stream	General
المسار	
Number of MCQ عدد الأسئلة الموضوعية	20
Marks of MCQ درجة الأسئلة الموضوعية	100
Number of FRQ عدد الأسئلة المقالية	0
Marks per FRQ الدرجات للأسئلة المقالية	
Type of All Questions نوع كافة الأسئلة	MCQ/ الأسئلة الموضوعية
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الامتحان	120 minutes
Mode of Implementation - طريقة التطبيق	SwiftAssess
Calculator	Not Allowed
الحاسبة	غير مسموحة

Question*	Learning Outcome/Performance Criteria**	Reference(s) in the Student Book (Arabic Version)
السؤال*	نتائج التعلم / مؤشرات الأداء**	المرجع في كتاب الطالب (النسخة العربية)
		Example/Exercise مثال/تمرين
1	BIO.3.4.01.039 Explain and predict patterns of interactions among organisms across multiple ecosystems	158
2	BIO.3.4.01.039 Explain and predict patterns of interactions among organisms across multiple ecosystems	162
3	BIO.3.4.01.041 Compare and contrast biotic and abiotic characteristics of sustainable and unsustainable terrestrial and aquatic ecosystems	161
4	BIO.3.4.01.039 Explain and predict patterns of interactions among organisms across multiple ecosystems	160
5	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	157
6	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	الشكل 14 Figure 14
7	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	165
8	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	الشكل 13 Figure 13
9	BIO.3.4.01.026 Explain that photosynthesis and cellular respiration are important components of the carbon cycle, in which carbon is exchanged between the biosphere, atmosphere, oceans, and geosphere through chemical, physical, geological processes.	الشكل 17 Figure 17
10	BIO.3.4.01.040 Explain how matter is recycled within the environment and it promotes sustainability.	الشكل 19 Figure 19
11	BIO.3.4.01.040 Explain how matter is recycled within the environment and it promotes sustainability.	171
12	BIO.3.4.01.026 Explain that photosynthesis and cellular respiration are important components of the carbon cycle, in which carbon is exchanged between the biosphere, atmosphere, oceans, and geosphere through chemical, physical, geological processes.	الشكل 18 Figure 18
13	BIO.3.4.01.042 Use mathematical and/or computational representations to support explanations of factors that affect carrying capacity of ecosystems at different scales.	الشكل 5 Figure 5
14	BIO.3.4.01.033 Explain that ecosystems are dynamic in nature and that their characteristics can vary over time.	188 - 189
15	BIO.3.4.01.042 Use mathematical and/or computational representations to support explanations of factors that affect carrying capacity of ecosystems at different scales.	188
16	BIO.3.4.01.033 Explain that ecosystems are dynamic in nature and that their characteristics can vary over time.	184-185
17	BIO.3.4.01.041 Compare and contrast biotic and abiotic characteristics of sustainable and unsustainable terrestrial and aquatic ecosystems.	154
18	BIO.3.4.01.041 Compare and contrast biotic and abiotic characteristics of sustainable and unsustainable terrestrial and aquatic ecosystems.	157
19	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	163
20	BIO.3.1.02.032 Explain that as energy flow through different organizational levels of living systems, chemical elements are recombined to form different products and energy is transferred from one system to another.	163
* Questions might appear in a different order in the actual exam, or on the exam paper in the case of G3 and G4.		
* قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي، أو على ورقة الامتحان في حالة الصفين G3 و G4.		
** As it appears in the textbook, LMS, and (Main_IP).		
** كما وُردت في كتاب الطالب و LMS والنسخة المطبوعة.		