

شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



## نموذج الهيكل الوزاري الفصل الأول

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف الحادي عشر المتقدم](#) ← [علوم](#) ← [الفصل الأول](#) ← [الملف](#)

## التواصل الاجتماعي بحسب الصف الحادي عشر المتقدم



## روابط مواد الصف الحادي عشر المتقدم على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

## المزيد من الملفات بحسب الصف الحادي عشر المتقدم والمادة علوم في الفصل الأول

<a href="#">كتاب دليل المعلم باللغة الانجليزية</a>	1
<a href="#">كتاب الطالب النخبة بريدج</a>	2
<a href="#">كتاب دليل المعلم بريدج</a>	3
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Academic Year السنة الدراسية	2022/2023
Term الفصل	1
Subject المادة	Biology - Bridge
Grade الصف	11
Stream المستوى	Advanced
Number of Main Questions عدد الأسئلة الرئيسية	20
Marks per Main Question الدرجات لكل سؤال أساسي	5
Number of Bonus Questions عدد الأسئلة الإضافية	5
Marks per Bonus Question الدرجات لكل سؤال إضافي	4
Type of All Questions نوع كافة الأسئلة	MCQ اختر من متعدد
Maximum Overall Grade* الدرجة القصوى الممكنة*	100
Exam Duration مدة الامتحان	120 minutes
Mode of Implementation طريقة التطبيق	SwiftAssess
Calculator حاسبة	Not Applicable ممنوعة

Question** السؤال	Learning Outcome*** نتيجة التعلم	Reference(s) in the Student Book (Arabic / English Version) المراجع في كتاب الطالب (النسخة العربية / الإنجليزية)	
		Page الصفحة	Example/Exercise مثال/تمرين
1	BIO.3.3.01.036 Investigate that variations of inherited traits between parent and offspring arise from genetic differences that result either from the subset of chromosomes and therefore from inherited genes or rarely from mutations and show the variations of inherited traits in a pedigree BIO.3.3.01.036 Investigate that variations of inherited traits between parent and offspring arise from genetic differences that result either from the subset of chromosomes and therefore from inherited genes or rarely from mutations and show the variations of inherited traits in a pedigree	الجدول رقم 2	5
2	BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance	الشكل رقم 3 Figure No. 3	8
3	BIO.3.3.01.036 Investigate that variations of inherited traits between parent and offspring arise from genetic differences that result either from the subset of chromosomes and therefore from inherited genes or rarely from mutations and show the variations of inherited traits in a pedigree BIO.3.3.01.036 Investigate that variations of inherited traits between parent and offspring arise from genetic differences that result either from the subset of chromosomes and therefore from inherited genes or rarely from mutations and show the variations of inherited traits in a pedigree	الجدول رقم 2	5
4	BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance	الشكل رقم 4 Figure No. 4	10
5	BIO.3.3.02.012 Use the Punnett square method to solve basic genetics problems involving monohybrid crosses, incomplete dominance, codominance, dihybrid crosses, and sex-linked genes BIO.3.3.02.012 Use the Punnett square method to solve basic genetics problems involving monohybrid crosses, incomplete dominance, codominance, dihybrid crosses, and sex-linked genes		15
6	BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance		14 - 12
7	BIO.3.3.02.023 Demonstrate that the variation and distribution of observed traits depends on both genetic and environmental factors BIO.3.3.02.023 Demonstrate that the variation and distribution of observed traits depends on both genetic and environmental factors	الشكل رقم 16 Figure No.16	18
8	BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance BIO.3.3.02.011 Explain the concepts of genotype, phenotype, dominance, incomplete dominance, codominance, recessiveness, and sex linkage according to Mendelian laws of inheritance	الشكل رقم 6 Figure No.6	12
9	BIO.3.3.02.019 Explain the effects of chromosomal abnormalities on the inheritance of genes and the resulting phenotypes BIO.3.3.02.019 Describe some genetic disorders caused by chromosomal abnormalities or other genetic mutations in terms of chromosomes and affected physical effects and treatments	الشكل رقم 19 Figure No. 19	21
10	BIO.3.3.02.021 Make and defend a claim based on evidence that inheritable genetic variations may result from: new genetic combinations through meiosis, viable errors occurring during replication, and/or mutations caused by environmental factors BIO.3.3.02.021 Make and defend a claim based on evidence that inheritable genetic variations may result from: new genetic combinations through meiosis, viable errors occurring during replication, and/or mutations caused by environmental factors	الجدول رقم 4 Table No. 4	22
11	BIO.3.3.02.021 Make and defend a claim based on evidence that inheritable genetic variations may result from: new genetic combinations through meiosis, viable errors occurring during replication, and/or mutations caused by environmental factors BIO.3.3.02.021 Make and defend a claim based on evidence that inheritable genetic variations may result from: new genetic combinations through meiosis, viable errors occurring during replication, and/or mutations caused by environmental factors	الشكل رقم 18 Figure No. 18	20
12	BIO.3.3.01.012 Analyze a simulated strand of DNA to determine the genetic code and base pairing of DNA BIO.3.3.01.012 Analyze a simulated strand of DNA to determine the genetic code and base pairing of DNA		34
13	BIO.3.3.02.015 Recall that the information passed from parents to offspring is coded in the DNA molecules that form the chromosomes. BIO.3.3.02.015 Recall that the information passed from parents to offspring is coded in the DNA molecules that form the chromosomes.	الشكل رقم 3 Figure No. 3	38
14	BIO.3.3.01.016 Explain the current model of DNA replication and describe the different repair mechanisms that can correct mistakes in DNA sequencing including the mechanisms of biotechnology and bioinformatics. BIO.3.3.01.016 Explain the current model of DNA replication and describe the different repair mechanisms that can correct mistakes in DNA sequencing including the mechanisms of biotechnology and bioinformatics.	الشكل رقم 11 Figure No.11	42
15	BIO.3.3.01.016 Explain the current model of DNA replication and describe the different repair mechanisms that can correct mistakes in DNA sequencing including the mechanisms of biotechnology and bioinformatics. BIO.3.3.01.016 Explain the current model of DNA replication and describe the different repair mechanisms that can correct mistakes in DNA sequencing including the mechanisms of biotechnology and bioinformatics.		41
16	BIO.3.3.02.022 Compare the structures and functions of RNA and DNA using interactive programs or analysis of scientific text or scientific illustration BIO.3.3.02.022 Compare the structures and functions of RNA and DNA using interactive programs or analysis of scientific text or scientific illustration		44
17	BIO.3.3.02.022 Compare the structures and functions of RNA and DNA using interactive programs or analysis of scientific text or scientific illustration BIO.3.3.02.022 Compare the structures and functions of RNA and DNA using interactive programs or analysis of scientific text or scientific illustration	الشكل رقم 13 Figure No.13	45
18	BIO.3.3.01.009 Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells. BIO.3.3.01.009 Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells.	الشكل رقم 15 Figure No.15	47
19	BIO.3.3.01.015 Conclude that each distinct gene chiefly controls the production of a specific protein, which in turn affects the traits of the individual BIO.3.3.01.015 Conclude that each distinct gene chiefly controls the production of a specific protein, which in turn affects the traits of the individual	الشكل رقم 14 Figure No.14	46
20	BIO.3.3.01.015 Conclude that each distinct gene chiefly controls the production of a specific protein, which in turn affects the traits of the individual BIO.3.3.01.015 Conclude that each distinct gene chiefly controls the production of a specific protein, which in turn affects the traits of the individual		44
21	A learning outcome from the SOW**** نتيجة من العينة التعليمية****	Undisclosed غير معان	Undisclosed غير معان
22	A learning outcome from the SOW نتيجة من العينة التعليمية	Undisclosed غير معان	Undisclosed غير معان
23	A learning outcome from the SOW نتيجة من العينة التعليمية	Undisclosed غير معان	Undisclosed غير معان
24	A learning outcome from the SOW نتيجة من العينة التعليمية	Undisclosed غير معان	Undisclosed غير معان
25	A learning outcome from the SOW نتيجة من العينة التعليمية	Undisclosed غير معان	Undisclosed غير معان
* While the overall number of marks is 120 (20*5=100 for main questions) and 5*4=20 for bonus questions, the student's final grade will be out of 100. Example: If a student answers correctly 10 main and 2 bonus questions, (s/he receives a grade of 10*5+2*4=58, while if (s/he answers correctly 19 main and 3 bonus questions, (s/he scores a total of 19*5+3*4=107 which will be reported as 100			
* مع أن مجموع العلامات الكلية هو 120 (100=5*20) من الأسئلة الرئيسية و 20=5*4 من الأسئلة الإضافية، فإن درجة الطالب (الطالب) النهائية تحسب من 100. مثال: إذا أجاب الطالب (الطالبة) بشكل صحيح عن 10 أسئلة أساسية وسؤالين إضافيين، (يتلقى درجة 10*5+2*4=58، بينما إذا أجاب الطالب (الطالبة) بشكل صحيح عن 19 أسئلة أساسية وسؤالين إضافيين، (يتلقى درجة 19*5+3*4=107، والتي ستُبلغ 100)			
** 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 G3 and G4).			
*** As it appears in the textbook, LMS, and scheme of work (SOW).			
**** كما وردت في كتاب الطالب وLMS والعينة التعليمية.			
***** The 5 bonus questions will target LOs from the SOW. These LOs can be within the ones used for the 20 main questions or any other ones listed in the SOW.			
***** الأسئلة الإضافية الخمس تستهدف نتائج تعلم من العينة التعليمية. هذه النتائج قد تكون من ضمن النتائج المستخدمة لمراسلة الأسئلة الأساسية المعينين أو أي نتائج أخرى متضمنة في العينة التعليمية.			