

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف مواصفات الامتحان النهائي للفصل الثاني - منهج انسابير

[موقع المناهج](#) ⇨ [المناهج الإماراتية](#) ⇨ [الصف التاسع المتقدم](#) ⇨ [فيزياء](#) ⇨ [الفصل الثاني](#)

روابط مواقع التواصل الاجتماعي بحسب الصف التاسع المتقدم



روابط مواد الصف التاسع المتقدم على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف التاسع المتقدم والمادة فيزياء في الفصل الثاني

[كل ما يخص الاختبار التكويني لمادة الفيزياء للصف التاسع يوم الأحد 9/2/2020](#)

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[أسئلة محلولة في بحثي الحركة في بعدين والحاذبية](#)

2

[اسئلة اختبار](#)

3

[ملخص](#)

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[مراجعة ممتازة](#)

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Subject المادة	Physics
Grade الصف	9
Stream المنهج	Advanced Inspire
Number of Questions عدد الأسئلة	25
Type of Questions طبيعة الأسئلة	MCQs اختيار من متعدد
Marks per Question الدرجات لكل سؤال	5
Maximum Overall Grade* العلامة القصوى الممكنة*	100
Exam Duration مدة الامتحان	120 minutes
Mode of Implementation طريقة التطبيق	SwiftAssess

Question سؤال**	Learning Outcome*** نتائج التعلم***	Reference(s) in the Student Book المرجع في كتاب الطالب	
		Example/Exercise مثال/تمرين	Page الصفحة
1	Classify forces as either contact forces or field forces and realize that they result from interactions caused by agents	Stated explicitly in text	85
2	Combine forces to find the net force acting on an object	example problems 1-4	87
3	Calculate the weight of an object	Example problem 2 and practice problems 16-18	95
4	Find the mass of an object from a force-acceleration graph	Stated explicitly in text	88-89
5	Apply Newton's Second Law to solve numerical problems	Example 1 practice problems 9-10	91 91
6	state Newton's Second Law of motion	Explicitly within text	90
7	Apply Newton's Second Law to solve numerical problems	Example 1 practice problems 9-10	91 91
8	Apply Newton's Second Law to solve numerical problems	Example 1 practice problems 9-10	91 91
9	Calculate the apparent weight of a person in an elevator	Example problem 3	97
10	Apply Newton's second law to calculate the drag force when terminal velocity is reached	check your progress	99
11	Describe forces in nature as a type of interaction between two bodies	Stated explicitly in text	100-101
12	List the characteristics of the interaction pair and identify the action-reaction pairs for different situations	Example problem 4 and practice 28-30	102
13	Determine the resultant of two or more vectors algebraically by adding the components of the vectors and find its magnitude	Stated explicitly in text Example problem 2	119 120
14	Determine the magnitude and direction of the resultant of two vectors in two dimensions using trigonometry, the Pythagorean theorem (case of perpendicular vectors), and the laws of sines and cosines.	Example problem 1	116
15	Determine the magnitude and direction of the resultant of two vectors in two dimensions using trigonometry, the Pythagorean theorem (case of perpendicular vectors), and the laws of sines and cosines.	Example problem 1	116
16	Define the friction force as a type of force between two touching surfaces, and determine its direction. Distinguish between static and kinetic friction	Stated explicitly in text	122
17	Determine the components of a vector in cartesian coordinate system using trigonometry	Example problem 4	126
18	Determine the magnitude and direction of the resultant of two vectors in two dimensions	check your progress	133
19	Distinguish between static and kinetic friction.	Stated explicitly in text	122
20	Find the equilibrant being the force having equal magnitude as the resultant force but opposite direction.	Stated explicitly in text	128-129
21	Apply the relationships that relate the normal force to maximum static friction and to kinetic friction to calculate unknown parameters like friction force, coefficient of friction or the normal force ($F_{f,static} = \mu N$ and $F_{f,kinetic} = \mu N$).	Example problem 3 & practice problems 15-17	125
22	Identify the forces acting on an object moving on an inclined plane and draw the free body diagram.	Example problem 5 & practice problems 29-31	131
23	Solve problems related to friction.	Example problem 3 & practice problems 15-17	125
24	Recall that for an object to be in equilibrium, the net force acting on it should be zero	Stated explicitly in text	128-129
25	Solve problems related to friction.	Example problem 3 & practice problems 15-17	125
*	Best 20 answers out of 25 will count. Example: 14 correct answers yield a grade of 70/100, while 20 and 23 correct answers yield a (full) grade of 100/100 each.		
*	تحسب أفضل 20 إجابة من 25. مثال: 14 إجابة صحيحة تعطي علامة 70/100 بينما 20 أو 23 إجابة صحيحة تعطي العلامة الكاملة أي 100/100.		
**	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/SoW. كما وردت في كتاب الطالب وLMS والنسخة الفصلية.		