

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف نموذج هيكل الوزارة امتحان نهاية الفصل الثالث

[موقع المناهج](#) ⇨ [المناهج الإماراتية](#) ⇨ [الصف العاشر المتقدم](#) ⇨ [فيزياء](#) ⇨ [الفصل الثالث](#)

روابط مواقع التواصل الاجتماعي بحسب الصف العاشر المتقدم



روابط مواد الصف العاشر المتقدم على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف العاشر المتقدم والمادة فيزياء في الفصل الثالث

<a href="#">الدفع والنزخم</a>	1
<a href="#">اوراق عمل عددها 9 اوراق</a>	2
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Subject	physics
المادة	فيزياء
Grade	10
الصف	
Stream	Advanced/Inspire
المسار	متقدم المبتدئين
Number of Questions	25
عدد الأسئلة	
Type of Questions	MCQs
طبيعة الأسئلة	اختيار من متعدد
Marks per Question	5
الدرجات لكل سؤال	
Maximum Overall Grade*	100
العلامة القصوى الممكنة*	
Exam Duration	120 minutes
مدة الامتحان	
Mode of Implementation	SwiftAssess
طريقة التطبيق	

Question**	Learning Outcome***	Reference(s) in the Student Book	
		Example/Exercise مثال/تمرين	Page الصفحة
1	Apply the equation $EMF = BLv(\sin \theta)$ to determine the magnitude of induced emf for a wire moving through a magnetic field.	As explained in the textbook	153
2	Define electromotive force emf and specify its unit as volts (V)	As explained in the textbook	153
3	Apply the right-hand rule to determine the direction of the induced emf and thus the direction of induced current in a wire moved in a magnetic field	As shown in the textbook	153
4	Apply the equation $I = EMF/R$ to calculate the magnitude of induced current in a wire that is part of a closed circuit.	Practice problems (1-3)	155
5	Apply the equation $EMF = BLv(\sin \theta)$ to determine the magnitude of induced emf for a wire moving through a magnetic field.	Example problem 1	154
6	Calculate the maximum and effective values of current, voltage, and power for an AC generator	Practice problems (5-7)	159
7	Identify the main energy transformation that occurs in a generator	As explained in the textbook	157
8	Explain how the relative motion between a conductor such as a wire and a magnetic field causes an induced emf	As explained in the textbook	155
9	Describe an AC generator, specifying its components	As explained in the textbook	156
10	Apply the ideal transformer equation to solve numerical problems.	Example problem 2	166
11	Differentiate between step-up and step-down transformers.	As explained in the textbook	164
12	Relate the turn's ratio of a transformer to its corresponding voltage ratio and apply the corresponding equation in problem solving	As shown in the textbook	164-165
13	Define Lenz's Law of electromagnetic induction and relate it to induced emf and induced current.	As explained in the textbook	160
14	Calculate the maximum and effective values of current, voltage, and power for an AC generator	Practice problems (5-7)	159
15	Relate the turn's ratio of a transformer to its corresponding voltage ratio and apply the corresponding equation in problem solving.	As shown in the textbook	164
16	Apply the wave equation to calculate the wavelength, frequency, or speed of electromagnetic waves	Practice problems (38-40)	177
17	Describe the primary characteristics of electromagnetic waves	As explained in the textbook	177-178
18	Describe some applications of the different types of electromagnetic waves	As explained in the textbook	179
19	explain what factors affect an antenna's sensitivity to electromagnetic waves of given wavelengths	As explained in the textbook	184
20	List the different types of electromagnetic waves that form the electromagnetic spectrum and their respective characteristics	As explained in the textbook	178
21	Describe the primary characteristics of electromagnetic waves.	As explained in the textbook	177-178
22	Apply the wave equation to calculate the wavelength, frequency, or speed of electromagnetic waves	As explained in the textbook	177
23	Describe some applications of the different types of electromagnetic waves	As explained in the textbook	179
24	Define electromagnetic waves.	As explained in the textbook	176
25	Explain how EM waves are received	As explained in the textbook	184
*	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.		
*	تحتسب 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 وُضعت في كتاب الطالب و LMS و LMS/Sow.		