تم تحميل هذا الملف من موقع المناهج الإماراتية





الهيكل الوزاري الجديد منهج انسباير المسار المتقدم

موقع المناهج ← المناهج الإماراتية ← الصف العاشر المتقدم ← فيزياء ← الفصل الثالث ← الملف

تاريخ إضافة الملف على موقع المناهج: 20-05-2024 11:23:29

التواصل الاجتماعي بحسب الصف العاشر المتقدم









اضغط هنا للحصول على جميع روابط "الصف العاشر المتقدم"

روابط مواد الصف العاشر المتقدم على تلغرام

التربية الاسلامية اللغة العربية العربية الاسلامية النجليزية الإنجليزية الرياضيات

المزيد من الملفات بحسب الصف العاشر المتقدم والمادة فيزياء في الفصل الثالث الهيكل الوزاري الجديد منهج بريدج المسار المتقدم بوربوينت شرح الفصل الثامن دوائر التوالي والتوازي الكهربائية مع عربيات على أسئلة الامتحان النهائي الالكتروني انسباير على أسئلة الامتحان النهائي الالكتروني بريدج وانسباير دليل تمحيح أسئلة الامتحان النهائي الورقي بريدج وانسباير

Academic Year	2023/2024				
العام الدراسي					
Term	3				
الفصل					
Subject	Physics/Inspire				
المادة	الفيزياء/انسباير				
Grade	10				
الصف					
Stream	Advanced				
المسار	المتقدم				
Number of MCQ عدد الأسئلة الموضوعية	15				
Marks of MCQ درجة الأسئلة الموضوعية	4				
Number of FRQ	4				
عدد الأسئلة المقالية					
Marks per FRQ					
الدرجات للأسئلة المقالية	10				
Type of All Questions	الأسئلة الموضوعية /MCQ				
نوع كافة الأسئلة	الأسئلة المقالية /FRQ				
Maximum Overall Grade الدرجة القصوى الممكنة					
مدة الامتحان - Exam Duration	150 minutes				
طريقة التطبيق- Mode of Implementation	SwiftAssess & Paper-Based				
Calculator	Allowed				
الآلة الحاسبة	مسموحة				

0	ortion*	Learning Outcome/Performance Criteria**	Reference(s) in the Stud	lent Book (Arabic Version)		
*Question السؤال		Leaning Outcome/Performance Citiena	المرجع في كتاب الطالب (النسخة العربية)			
		ناتج التعلم/ معايم الأداء **	Example/Exercise مثال/تمرین	Page الصفحة		
	,					
	1	Explain how the relative motion between a conductor such as a wire and a magnetic field causes an induced emf. Apply the right-hand rule to determine the direction of the induced emf and thus the direction of induced current in a wire	Student Book	153-154		
	1	moved in a magnetic field.	Figure 2	153		
	2	Define electromotive force emf and specify its unit as volts (V).	Student Book	153		
			Student Book	155-159		
	3	Identify devices and machines that operate primarily on the principle of electromagnetic induction.	Q.9-Q.12	159		
	4	Identify the phenomena associated with electromagnetic induction, which fulfills Lenz's law and confirms that there is no ideal physical quantity.	Student Book	162 (Eddy currents)		
	5	Describe that Lenz's Law is a consequence of the law of conservation of energy.	Student Book	160-161		
		1 Belon the effective current and effective potential difference to their maximum values in an AC circuit	Student Book	158-159		
	6	Relate the effective current and effective potential difference to their maximum values in an AC circuit. Calculate the maximum and effective values of current, voltage, and power for an AC generator.	Q.5-Q.8, Q14-Q.15	159		
	7	Apply the equation EMF= $BLv(\sin\theta)$ to determine the magnitude of induced emf for a wire moving through a magnetic field.	student Book Q.1-Q.4	153-155 155		
K-111			4,2 4,4			
الموضو			Student Book	180-181		
الأسئلة الموضوعية - MCQ	8 (Calculate the speed of electromagnetic waves in different mediums of different dielectric constants.	Q.42-Q.45	181		
M						
	9	Apply the wave equation to calculate the wavelength, frequency, or speed of electromagnetic waves.	Student Book	176-177		
		report are more equation to constitute in more engine requestry, or special or executioning from more endings	Q.38-Q.40	177		
			Student Book	183-184		
	10	Determine the optimal length or orientation of an antenna for the best reception of a given wave.	Q.49, Q.51	185		
		Explain how transformers are used in the National Grid System to transmit power through long distances with minimal power losses.	Student Book Figure 16	167		
						
	12	Derive the relation of the wavelength from double-slit investigation (\(\lambda\times d \times d'\times d'\times d'\times d'\times d'\times d'\times d'\times distance on the screen from the central bright fringe to the first bright band, 'd' is the distance between the slits, and 'U' is the distance from the slits to the screen.	Student Book	195-196		
			Q.1-Q.5	196		
	12	Explain how bright and dark interference fringes (bands) are created in a double-slit interference investigation with	Student Book	105		
	13	13 CApian Individual and use interference images (usinus) are created in a Gooder-an interference investigation with Student Book 195 monochromatic light.				
	14 Explain the phenomenon of thin-film interference. Student Book 197					
	14	explain the phenomenon or thin-thim interference.	Student Book	197		
	15	Define the phenomenon of thin-film interference.	Student Book	197-200		
		Explain how the relative motion between a conductor such as a wire and a magnetic field causes an induced emf.	Student Book	152-158		
		2. Apply the equation EMF=BLv($\sin \theta$) to determine the magnitude of induced emf for a wire moving through a magnetic field.				
50		Apply the equation I=EMF/R to calculate the magnitude of induced current in a wire that is part of a closed circuit.	Example Problem 1, Q.1-Q.4	154-155		
	Q2	1. Relate the turn's ratio of a transformer to its corresponding voltage ratio and apply the corresponding equation in problem solving.	Student Book	164-166		
		Apply the ideal transformer equation to solve numerical problems. Differentiate between step-up and step-down transformers.	Example Problem 2, Q.16-Q.17; Table	166, 165		
بللة المق						
الأسئلة المقالية - FRQ		 Determine the type of pole induced on the face of a coil and the direction of induced current in a coil when a coil and a magnet are in relative motion. 	Student Book	160-161; 193; 193-196		
Æ	3. Explain light.	Define coherent and incoherent light. Explain how bright and dark interference fringes are created in a double-slit interference investigation with monochromatic				
		light. 4. Recall the concepts of constructive and destructive interference and define interference fringes of light.	Figure 10; Figure 5	161, 193; 194		
	the other	1. Apply the relation (A=xd/L) to calculate the wavelength or to find an unknown distance in a double-slit investigation given the other values.	Student Book	193-196		
	Q4	2. Show that the intensity of bright bands decreases as you go farther from the central band (double slit interference with monochromatic light). 2. Stalle in the females of a placed parties when white light is used in a double all important to the contract of the cont	Example Problem 1, Q.1-Q.4;	106-107-200-400		
		Explain the formation of a colored spectra when white light is used in a double-slit investigation. Solve problems on interference of light.	Example Problem 2, Q.5-Q.9	196; 197-200; 199		
•	Questions might appear in a different order in the actual exam.					
•						
	As it appears in the textbook, LMS, and (Main_IP). . او المعلمة الفصالية . المطالب و LMS و المعلمة الفصالية .					
	. ريسي مديد وروري واستد مصيب					

***	وحدات الفيزالية مميزة لأي كمية فيزالية، وعلامة فارقة لهاء لهذا يجب الاهتمام بتوجيه الطلاب باعطاء الوحدة الفيزالية المناسبة لكل كمية.					