

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف نموذج هيكل الوزارة امتحان نهاية الفصل الثالث

[موقع المناهج](#) ⇨ [المناهج الإماراتية](#) ⇨ [الصف الثاني عشر العام](#) ⇨ [فيزياء](#) ⇨ [الفصل الثالث](#)

روابط مواقع التواصل الاجتماعي بحسب الصف الثاني عشر العام



روابط مواد الصف الثاني عشر العام على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف الثاني عشر العام والمادة فيزياء في الفصل الثالث

امتحان	1
اوراق عمل الوحدة 7 الكهرومغناطيسية	2
ملخص شامل الوحدة 8 نظرية التداخل والحيود	3
الوحدة 9 نظرية الكم	4
مراجعة اسئلة ال لنهاية العام 2172018	5

Subject المادة	physics AR فيزياء عربي
Grade الصف	12
Stream ال مسار	General عام
Number of Questions عدد الأسئلة	25
Type of Questions نوعية الأسئلة	MCQs اختيار من متعدد
Marks per Question الدرجات لكل سؤال	5
Maximum Overall Grade* الدرجة القصوى الممكنة*	100
Exam Duration مدة الامتحان	120 minutes
Mode of Implementation طريقة التطبيق	SwiftAssess

Question** السؤال**	Learning Outcome*** نتائج التعلم***	Reference(s) in the Student Book المراجع في كتاب الطالب	
		Example/Exercise مثال/تمرين	Page الصفحة
1	Explain how bright and dark interference fringes are created in a double-slit interference investigation with monochromatic light.	As explained in the textbook	185
2	Recall the concepts of constructive and destructive interference and define interference fringes of light	As shown in the textbook	186
3	Explain that constructive interference occurs at locations m on either side of the central bright band	As explained in the textbook	189-190
4	Discuss some examples of light interference in nature	As explained in the textbook	189-190
5	Explain the diffraction pattern that is created when light (green, red, white...) passes through a single slit	As explained in the textbook	193
6	Apply the equation $(2x-2)L\lambda/w$ to solve relevant problems on single-slit diffraction	Applications (15-19)	196
7	Discuss the production and use of diffraction grating	As explained in the textbook	196-197
8	Give examples on the applications of diffraction gratings like in spectrosopes used for gemstone analysis or others	As explained in the textbook	197
9	Explain that constructive interference from a diffraction grating occurs at angles on either side of the central bright line given by the equation $m = d \sin \theta$ where $m=1,2,3$.	STANDARDIZED TEST PRACTICE	207
10	Explain diffraction through circular apertures and discuss resolving of images using the Rayleigh criterion	STANDARDIZED TEST PRACTICE	207
11	What are the characteristics of the electromagnetic spectrum emitted by an object?	As explained in the textbook	211
12	Explain emission spectra	As explained in the textbook	212
13	What are the characteristics of the electromagnetic spectrum emitted by an object?	As explained in the textbook	212
14	What is the photoelectric effect?	As explained in the textbook	213
15	determine the energy of a photon	As explained in the textbook	214
16	examples of photoelectric effect and threshold frequency	As explained in the textbook	214
17	calculate the energy of photon	applications (1-4)	216
18	Applications on photoelectric effect	As explained in the textbook	217
19	Calculate the kinetic energy of an ejected electron and stopping potential	applications (5-10)	218
20	Calculate the kinetic energy of an ejected electron and stopping potential	applications (5-10)	218
21	Explain and calculate the work function	applications (12-14)	220
22	explain and calculate the de Broglie wavelength	applications (25-26)	224
23	What is the importance of the Heisenberg uncertainty principle?	As explained in the textbook	225
24	explain and calculate the de Broglie wavelength	STANDARDIZED TEST PRACTICE	231
25	Explain and calculate the work function	STANDARDIZED TEST PRACTICE	231
*	Best 20 answers out of 25 will count. تحسب أفضل 20 اجابة من 25.		
**	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 و النسخة التعليمية		