

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف مواصفات الامتحان النهائي للفصل الثاني - منهج انسابير

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف العاشر المتقدم](#) ← [فيزياء](#) ← [الفصل الثاني](#)

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 الثاني

[كل ما يخص الاختبار التكويني لمادة الفيزياء للصف العاشر يوم الأحد 16/2/2020](#)

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[أسئلة الامتحان الوزاري لنهاية الفصل الثاني من](#)

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[المتجهات](#)

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[أوراق عمل درس الإنعكاس والمرآيا](#)

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[أوراق عمل درس الحركة الدورية](#)

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Subject المادة	physics الفيزياء
Grade الصف	10 العاشر
Stream المسار	Advanced/ <i>nspire</i> مقدم/السيباير
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** السؤال**	Learning Outcome*** نتائج التعلم***	Reference(s) in the Student Book المرجع في كتاب الطالب	
		Example/Exercise مثال/تمرين	Page الصفحة
1	Identify the commonly used circuit symbols	as mentioned in the textbook	95
2	Relate the electric power or rate of energy transfer to current and potential difference ( $P=IV$ )	practice problems	99
3	State Ohm's law and apply it to simple circuits ( $\Delta V=RI$ )	as mentioned in the textbook	96
4	Differentiate between series and parallel connections	as mentioned in the textbook	100
5	Apply Kirchoff's loop rule to electric circuits	as mentioned in the textbook	115
6	Calculate the amount of energy transformed to thermal energy by a resistor (If power is transformed at a constant rate) using the equation $E=Pt=I^2Rt=(\Delta V)^2/Rt$	practice problems	105
7	Solve problems to find the current, voltages and resistances in a parallel circuit	practice problems	103
8	Explain the factors (like length, cross-sectional area, temperature and material of the conductor) that affect the resistance of a conductor	as mentioned in the textbook	96
9	Differentiate between series and parallel connections	as mentioned in the textbook	100
10	Identify a fuse, a circuit breaker, and a ground-fault interrupter	as mentioned in the textbook	118
11	Describe the wiring used for household circuits	as mentioned in the textbook	118
12	Calculate the equivalent resistance and the total current passing through a series circuit	practice problems and example	111
13	State Ohm's law and apply it to simple circuits ( $\Delta V=RI$ )	practice problems	103
14	Explain how current in transmission lines is altered to reduce thermal energy transformations	as mentioned in the textbook	104
15	Identify the direction of conventional current as the direction of motion of positive charges or opposite to the flow of electrons	as mentioned in the textbook	106
16	Describe the relationship between magnetic fields and electric currents	as mentioned in the textbook	134
17	Describe the characteristics of magnetic fields and sketch the field lines around a permanent magnet	as mentioned in the textbook	133
18	Define magnetic flux	as mentioned in the textbook	132
19	Apply the right-hand rule to indicate the direction of the magnetic field in and around a solenoid carrying current	as mentioned in the textbook	134
20	Draw the magnetic field lines around a loop of current-carrying wire and apply the right hand rule to indicate the direction	as mentioned in the textbook	135
21	Apply the right hand rule to determine the direction of the force acting on a charged particle moving in a magnetic field	as mentioned in the textbook	143
22	Describe the principle and working of a simple electric motor and the energy conversions that occur	as mentioned in the textbook	141
23	Apply the equation to calculate the magnitude of the force on a straight segment of a current-carrying wire placed in a uniform magnetic field	practice problems	140
24	Explore experimentally the relationship between electric current and magnetic field and the factors that affect the strength of an electromagnet	as mentioned in the textbook	135
25	Describe the forces that occur when a ferromagnetic material is placed in a magnetic field in terms of the orientation of the magnetic field lines, alignment of the magnetic	as mentioned in the textbook	130
*	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 وردت في كتاب الطالب و LMS والخطة الفصلية.		