

GRAMMAR TEST 8p = penalty : 3 wrong answers = -1 A

- 1- If we cut the lines of force of a magnetic field ____
 a)it is created an emf b)creates an emf c)an emf is created d)by creating an emf
- 2- Fossil fuels will soon run out unless ____
 a) we will control their use b) we control their use c) we won't control their use d) we don't control their use
 fossil fuels will last longer unless we don't control their use
- 3- Many people ____ with the use of nuclear energy a)are not agree b)are not agreed c)do not agreed d) do not agree
- 4- This manual talks about _____ a) what is electricity b) how is electricity c) what electricity is d) how occurs electricity
- 5- Materials can be recovered by proper waste _____ methods. a)disposition b)disposing c)disposal d)disposement
- 6- The CO2 level ____over the last ten years a)is risen b)has raised c)has risen d)has been risen
- 7- The cost of oil has gone up ____ in one year a) by 20 percent b)up to a 20% c)the 20 per cent d) a 20%
- 8- Recycling considerably increased last year, ____
 a)as showed in Fig 2 b)as shown in Fig 2 c)like showed in the Fig 2 d)as shows the Fig 2
- 9- The use of fossil fuels has *dramatically* affected many ecosystems. *DRAMATICALLY* means:
 a)negatively b)eventually c)substantially d)subsequently
- 10- When the N pole is ____ the S pole the magnets attract each other a) in front to b) near of c) besides d) opposite
- 11- Geothermal power is ____ to end our reliance on fossil fuels a)unlikely b)probably c)unlike d)increasingly
- 12- Wind power is a good alternative ____ there are too strong winds in the area a)unless b)whether c)provided d)due to
- 13- Tidal energy has received ____ attention from governments a)little b)small c)hardly d)few
- 14- If I'd known ____ a) I did not have done it b) I hadn't done it c) I'd not have done it d) I wouldn't had done it
- 15- A generator is a machine ____ a rotor and a stator a)consisting of b)consisted of c)that it consists in d)that consists on
- 16- The reactor needs a moderator ____ a) for not explode b) to not explode c) for don't explode d) in order not to explode

	a	b	c	d
1				
2				
3				
4				

	a	b	c	d
5				
6				
7				
8				

	a	b	c	d
9				
10				
11				
12				

	a	b	c	d
13				
14				
15				
16				

TRANSLATION (7p): ELECTRIC MOTORS AND GENERATORS

If the relationship between electricity and magnetism (**no se hubiera descubierto –FIND**), electricity (**no se habría convertido en-BECOME**) the main energy source. Electric motors and generators are devices (**que transforman energía mecánica en eléctrica**) or viceversa, (**basándose en**) the principle of electromagnetism. This is (**como funcionan**). They contain an electromagnet, some coils and an armature. (**El tipo más usado de armadura**) is a laminated soft-iron core (**Para generar AC es necesario**) to count with a way of reversing the field. For that purpose, generators have a commutator, (**que funciona del mismo modo que los que se usan en los motores**). Typical generators (**se construyen con tantos como 100 polos**) to improve their efficiency. (**Actualmente los generadores son tan potentes**) that they can generate (**hasta 2 millones de voltios**)

Answer key

TEST A

	a	b	c	d
1			X	
2		X		
3				X
4			X	

	a	b	c	d
5			X	
6			X	
7	X			
8		X		

	a	b	c	d
9			X	
10				X
11	X			
12		X		

	a	b	c	d
13	X			
14			X	
15	X			
16				X

TEST B

If the relationship between electricity and magnetism HAD NOT BEEN FOUND OUT (*no se hubiera descubierto –FIND*), electricity WOULD NOT HAVE BECOME (*no se habría convertido en-BECOME*) the main energy source. Electric motors and generators are devices THAT TRANSFORM MECHANICAL INTO ELECTRICAL ENERGY (*que transforman energía mecánica en eléctrica*) or viceversa, BASED ON (*basándose en*) the principle of electromagnetism. This is HOW THEY WORK *como funcionan*). They contain an electromagnet, some coils and an armature. THE MOST WIDELY USED TYPE OF ARMATURE (*El tipo más usado de armadura*) is a laminated soft-iron core. IN ORDER TO GENERATE AC IT IS NECESSARY *Para producir AC es necesario*) to count with a way of reversing the field. For that purpose generators have a commutator, WHICH WORKS IN THE SAME WAY AS THOSE USED IN MOTORS (*que funciona del mismo modo que los que se usan en los motores*). Typical generators ARE BUILT WITH AS MANY AS 100 POLES (*se construyen con tantos como 100 polos*) to improve their efficiency. AT PRESENT GENERATORS ARE SO POWERFUL (*Actualmente los generadores son tan potentes*) that they can generate UP TO 2 MILLION VOLTS (*hasta 2 millones de voltios*).