

Pruebas para la obtención de títulos de Técnico y Técnico Superior

Convocatoria correspondiente al curso 2021-2022

(Resolución de 3 de diciembre de 2021 de la Dirección General de Educación Secundaria, Formación Profesional y Régimen Especial)

DATOS DEL ASPIRANTE			FIRMA
APELLIDOS:			
Nombre:	D.N.I. N.I.E. o Pasaporte:	Fecha:	

Código del ciclo: ELEM01	Denominación completa del título: SISTEMAS ELECTROTÉCNICOS Y AUTOMATIZADOS
Clave/código módulo: 02	Denominación completa del módulo profesional: INGLÉS TÉCNICO PARA GRADO SUPERIOR

INSTRUCCIONES GENERALES PARA LA REALIZACIÓN DE LA PRUEBA
<p>Indíquese cuantas instrucciones sean necesarias para la realización de la prueba, materiales necesarios, duración y cualesquiera otros aspectos relevantes que se consideren oportunos como, entre otros, los siguientes:</p> <ul style="list-style-type: none"> • Complimentar los datos del aspirante antes del examen y firmar en todas las hojas que se entreguen. • Tener disponible el DNI en la mesa. • Señalar y escribir con tinta indeleble, que no sea roja, las respuestas y su desarrollo. • Si se ha de rectificar una respuesta, trazar un aspa o tachar con una línea horizontal. No utilizar líquido corrector (Tippex). • Utilizar solamente el papel facilitado por el examinador (con el sello y formato correspondiente). • No utilizar material de consulta (salvo aquél que se autorice expresamente).

CRITERIOS DE CALIFICACIÓN Y VALORACIÓN
<p>La prueba consta de 5 partes y tiene un total de 100 puntos:</p> <ul style="list-style-type: none"> - Vocabulary: 20 puntos. - Listening: 10 puntos. - Reading: 20 puntos. - Grammar: 40 puntos. - Writing: 10 puntos. <p>Para aprobar, será necesario obtener un mínimo de 50 puntos.</p>

CALIFICACIÓN
<p>.....</p>

READING (20 points)

1. Read the text and decide if the sentences are TRUE or FALSE according to the text.

Wind farms

Wind farms are created when multiple wind turbines are placed in the same location for the purpose of generating large amounts of electric power. Due to rising energy prices and the resultant search for alternatives, there are now thousands of wind farms in many countries around the world. There is still a lot of controversy surrounding the pros and cons of wind power and its local impact.

Though our scientists may claim that they are inventing something new by using wind as a source of generating energy, the truth is that wind is being used for centuries for this purpose. Wind was considered an important source of energy.

Studies show that though the use of windmill to generate energy started in China, it soon spread to parts of Europe like England in the 12th century and by the end of the century there were 12000 mills in the region that needed little water to produce electricity to meet huge industrial demands.

Many new ways have been developed to generate energy in the last two centuries, the world is again returning to the old ways of generating power because of scarcity of oil, gas and coal. They know that energy created with the help of sun, water and wind will never get exhausted.

Today there is a booming demand of renewable energy production, wind power in particular.

Spain has been at the forefront of producing clean energy, especially wind energy. By producing 11.5% of its overall energy through wind turbines Spain has become the 3rd largest producer of wind energy after Germany (2nd) and US (1st). Whereas many European countries like the UK are dragging their feet around the figure of 7300 MW, Spain had an ambitious target of achieving 20,000 MW by 2010. The major companies working in the wind energy generation segment in Spain are Iberdrola, Acciona and Endesa.

At their peak production performance, Spain's wind turbines were working at 69% of the maximum theoretical potential. Among the top three wind generation producing countries in the world Spain is producing around 16,000 MW, Germany around 24,000 MW and the US around 25,000 MW. Even being the biggest producer of wind energy, America still produces just 1% of its total energy requirements and that is why Spain was able to set the record.

The figures came as the World Wildlife Fund praised Spain's rapid move into renewable energies. Spain has also earned praises from WWF for its overall effort in developing renewable energy during the past 12 years. By the next year Spain aims to meet 30% of its annual electricity demand from renewable sources.

Adapted from <http://www.alternative-energy-news.info>

1. Wind power is a controversial issue.
2. The wind energy industry is nothing new.
3. Green energy (sun, water, wind) may come to an end too.
4. Spain is among the first countries in the field of wind power.
5. Spain produces more MW than the United States.

2. Answer the following questions about the text.

1. Why are there so many wind farms all over the world?

2. Why is the world returning to the old ways of producing energy?

3. Which are the Spanish companies involved in producing renewable energy?

4. Which country is the biggest producer of wind energy?

5. Who praised Spain's effort to develop renewable energies?

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LISTENING (10 points)

1. Listen and circle the right answer (A, B, C) or answer the questions. (5 x 2 = 10 points)

1. Domotics is...

- a) still science fiction b) a reality c) a new appliance for your home

2. What is the heart of the domotics system? _____

3. Fill in the gaps:

"Around the house there is a network of _____ and _____"

4. Which dangers can domotics prevent? Mention 3 of them.

- a) _____
b) _____
c) _____

5. What is sent to the Control Panel when danger is detected?

VOCABULARY (20 points)

1. What's their job? Choose from the following jobs. (5 x 0.5 = 2.5)

electrical line worker	diagnostic electrician	computer scientist
power plant operator	apprentices	

- They design computer software. _____
- They help electricians and do simple tasks while learning the job. _____
- They identify the power or breakdown. _____
- They install and maintain the lines that carry electricity to our homes. _____
- They maintain power plants that produce energy. _____

2. Circle the correct answer. (5 x 0.5 = 2.5)

- I only work two hours a day. I've got a **temporary** / full-time / part-time job.
- Electrical line workers usually work **indoors** / outdoors and their job is quite **dangerous** / safe.
- She always plans her work; she's so **polite** / organized / reliable.
- Don't be **lazy** / organized / scruffy. An electrician has to work hard.
- With his ability and experience he is a **skilled** / ambitious / helpful electrician.

3. Write the right tool next to the definition. The first letter is given. (5 x 1 = 5)

1. For bending, twisting, cutting and pulling wires we use the **p** _____.
2. A **s** _____ is used for turning screws.
3. With the **f** _____ **t** _____ you can route new wiring through walls.
4. You use **t** _____ for removing or holding very small components.
5. The **m** _____ is an instrument that measures voltage, current and resistance.

4. Write these tools in the right column. (10 x 0.5 = 5)

fish tape	fuse puller	insulating tape	hack saw	wrench
torpedo level	knife	hammer	ladder	measuring tape

GRIPPING	MEASURING	CUTTING	OTHERS

5. Put each term next to its definition. There are two extra words. (5 x 0.5 = 2.5)

flat rate	domotics	off-peak	EPC	invoice	peak	estimate
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1. A document that states the price and conditions for completing a project. _____
2. Periods are low demand periods, and electricity is cheaper. _____
3. The integration of technology and services in homes for a better quality of life. _____
4. The same rate is charged for electricity consumed all day. _____
5. A certificate that rates the efficiency of houses. _____

6. Match the words and the definitions. There are two extra words. (5 x 0.5 = 2.5)

fuse	capacitor	diode	LED	resistor	solder
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1. Metallic alloy of tin and lead used to join two metal surfaces. _____
2. Protective device that breaks when current exceeds a maximum value. _____
3. Two terminal device that conducts in only one direction. _____
4. Electrical device used to store electrical charge. _____
5. Components made of material that opposes flow of current and has some value _____
of resistance.

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GRAMMAR (40 points)

1. Circle the right verb tense: Present Simple or Continuous? (4 x 1 = 4 points)

1. Michael always **helps/is helping** his supervisor.
2. She **likes/is liking** all kinds of new appliances.
3. What **do you do/are you doing?** I'm a mechanic.
4. He **browses/is browsing** the web for information at the moment.

2. Fill in the blanks with the verbs in brackets in the Past Simple or Continuous. (4 x 1 = 4 points)

1. My car _____ (break down) last Monday.
2. They _____ (study) when the teacher _____ (arrive) yesterday.
3. Sarah _____ (repair) her computer at 11:30 yesterday morning.
4. He _____ (watch) TV when his friends _____ (phone) him.

3. Fill in the gaps with the Present Perfect and some of the words in the box. (4 x 1 = 4 points)

just	yet	ever	already	never	since
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1. _____ (you/try) sushi? No, I haven't.
2. My sister _____ (leave). Her flight took off 5 minutes ago.
3. I _____ (study) English _____ I was a child.
4. They _____ (not/ be) to the US _____. But they'd love to go one day.

4. Choose the right future tense for each sentence. (4 x 1 = 4 points)

1. What are your plans for the summer? We _____ (rent) a house at the beach.
2. We haven't got any milk left. I _____ (buy) some.
3. I'm sure you _____ (pass) the exam.
4. This time next year he _____ (work) as an electrician.

5. Choose the right modal verb for each situation. (4 x 1 = 4 points)

1. I **mustn't / don't have to** use a keyboard to surf the internet on a tablet.
2. You **should / shouldn't** work without wearing protective gear.
3. You **must / mustn't** speak loudly in the library.
4. When he was 5 years old he **can / could** use a mobile better than his parents.

6. Fill in the gaps with the right form of the comparative and superlative of the adjective in bracket. (4 x 1 = 4 points)

1. The new iPhone is _____ (fast) than yours.
2. A dishwasher _____ (expensive) the old one.
3. These smartphones are _____ (stylish) of all the mobiles I know.
4. This microprocessor is _____ (powerful) I have ever seen,

7. Fill in the gaps with a relative pronoun. (4 x 1 = 4 points)

1. I love the smartphones _____ have a big screen.
2. I know a girl _____ mother works for Google.
3. This is the workshop _____ Michael works.
4. 2015 is the year _____ he left school.

8. Circle the correct verb form, active or passive. (4 x 1 = 4 points)

1. My toolbox contains / is contained all the tools I need.
2. Pliers used / are used very often by electricians.
3. The technician fixed / was fixed my laptop in just a few minutes.
4. They deliver / are delivered spare parts once a week.

9. Fill in the gaps with the right verb tense in the conditional sentence below. (4 x 1 = 4 points)

1. She _____ (buy) an Apple laptop if she had enough money.
2. I he _____ (save) energy, he will also save money.
3. She will recharge the battery if it _____ (be) dead.
4. If I _____ (have) a screwdriver, I would help you.

10. Fill in the gaps with prepositions of time. (4 x 1 = 4 points)

1. Mark always has a big breakfast _____ the morning.
2. I'm starting a new course _____ Monday.
3. He was born _____ 24th April.
4. I can't sleep well _____ night.

WRITING (10 points)

Write a FOR and AGAINST essay (100 -120 words) on one of the following topics:

- a) Teenagers are the victims of the mobile; phone addiction increases every day.
- b) New technologies are changing the way we interact with others.
- c) It is not worth repairing any appliances today. It is better to buy a new one.

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