



Pruebas para la obtención de títulos de Técnico y Técnico Superior

Convocatoria correspondiente al curso académico 2023-2024

(Resolución de 29 de diciembre de 2023 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:	Denominación completa del título:
IFCS03	Técnico Superior en Desarrollo de Aplicaciones WEB
Clave o código del módulo:	Denominación completa del módulo profesional:
CM14	Inglés técnico para Grado Superior

INSTRUCCIONES GENERALES PARA LA REALIZACIÓN DE LA PRUEBA

Para la realización de la prueba, el aspirante deberá:

1. Cumplimentar sus datos antes del examen y firmar en todas las hojas que se le entreguen.
2. Tener disponible el DNI en la mesa.
3. Señalar y escribir las respuestas y su desarrollo con tinta indeleble en color azul o negro. En ningún caso podrá utilizar otro color o lápiz.
4. Si se ha de rectificar una respuesta, trazar un aspa o tachar con una línea horizontal. No utilizar líquido corrector (Tippex).
5. Utilizar solamente el papel facilitado por el examinador (con el sello y formato correspondiente). Se dispondrá de una hoja borrador que deberá entregarse al final del examen y cuyo contenido no será evaluado.

Asimismo:

6. No se permite el uso de diccionarios ni de cualquier otro material de consulta.
7. Queda terminantemente prohibido el uso de teléfonos móviles, smartphones, tablets o cualquier otro dispositivo electrónico. Su utilización conllevará la expulsión del alumno del examen y su calificación con una nota de 1.
9. El examen escrito tendrá una duración de 2 horas. El examen oral tendrá una duración de 10 minutos por persona.

CRITERIOS DE CALIFICACIÓN Y VALORACIÓN

Este módulo consta de cuatro pruebas: comprensión oral (*Listening*), comprensión escrita (*Reading*), expresión oral (*Speaking*) y expresión escrita (*Writing*). Las pruebas se realizarán el mismo día y en la misma aula.

1ª PARTE: PRUEBA ESCRITA

Consideraciones: la prueba escrita consta de tres partes en las que se valorará la comprensión oral (*Listening*), la comprensión escrita (*Reading*) y la expresión escrita (*Writing*). En todas ellas habrá preguntas sobre vocabulario técnico relativo al campo de la Informática. En el *Listening*, el audio se escuchará un total de TRES VECES. En el *Writing*, cada error de ortografía, gramática y/o vocabulario se penalizará con 0'2 puntos.

Cada una de las pruebas será valorada sobre 10 puntos, siendo necesario obtener un 5 en cada una para poder calcular la nota media con las demás.

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2ª PARTE: PRUEBA ORAL

Consideraciones: La prueba oral (*Speaking*) consistirá en una entrevista individual donde los alumnos deberán responder a preguntas tanto personales (gustos, hobbies, familia, etc.), como de carácter profesional (planes de futuro, estudios, trabajos desempeñados, el por qué está cursando estos estudios, qué campo de la informática le interesa más, etc.).

- Duración: la prueba por alumno no excederá de los diez minutos.
- Los criterios de evaluación se basarán en los siguientes apartados:
 - o Pronunciación y fluidez.
 - o Nivel de formalidad adecuado a las circunstancias.
 - o Normas de protocolo.
 - o Contenido de las respuestas.
 - o Claridad y corrección gramatical.
 - o Uso de vocabulario general y específico.
 - o Comprensión por parte del alumno.
- Cada uno de estos apartados se valorarán con la siguiente puntuación:

Poor	Fair	Good	Excellent
2,5 points	5 points	7,5 points	10 points

- **La prueba oral se valorará sobre 10 puntos, siendo necesario obtener un 5 para poder calcular la nota media con las demás.**

IMPORTANTE:

Para superar el módulo será obligatorio tener una nota mínima de 5 en cada una de las cuatro pruebas: *Reading, Writing, Listening y Speaking*. **Si la nota en cualquiera de las cuatro pruebas es inferior a 5, la nota final del módulo será como máximo 4, independientemente de la lograda en las demás.**

La nota final del módulo será un valor entero entre 1 y 10 y se calculará haciendo la media aritmética de la obtenida en las cuatro pruebas (teniendo en cuenta la consideración del párrafo anterior). En el cálculo de la nota media, la calificación se redondeará al entero más bajo si los decimales son inferiores a 0,5 y al entero más alto si son superiores o iguales a 0,5. Esta regla tiene una excepción: las notas medias inferiores a 1 se redondearán a 1.

CALIFICACIÓN



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LISTENING (10 MARKS)

Instructions: the audio file will be listened to three times.

1. Listen and write (T) true, F (false) or DS (doesn't say) next to the sentences. (1,25 x4 = 5 points)

- a. Mr Taylor wants a website to make reservations in his new business. ____
- b. They are going to use two programming languages: HTML and JavaScript. ____
- c. Meredith wants to do a more dynamic web. ____
- d. They will have a prototype of the website in two weeks' time. ____

2. Listen to the conversation again and complete the sentences. (5x1 = 5 points)

- a. They will use a database called _____.
- b. Sarah can't be the designer because _____.
- c. They had a problem with a _____ that they hired in a previous project.
- d. _____ will be the systems administrator. He is the right candidate because he _____.



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READING COMPREHENSION (10 MARKS)

Computers Make the World Smaller and Smarter

The ability of tiny computing devices to control complex operations has transformed the way many tasks are performed, ranging from scientific research to producing consumer products. Tiny 'computers on a chip' are used in medical equipment, home appliances, cars and toys. Workers use handheld computing devices to collect data at a customer site, to generate forms, to control inventory, and to serve as desktop organisers.

Not only is computing equipment getting smaller, it is getting more sophisticated. Computers are part of many machines and devices that once required continual human supervision and control. Today, computers in security systems result in safer environments, computers in cars improve energy efficiency, and computers in phones provide features such as call forwarding, call monitoring, and call answering.

These smart machines are designed to take over some of the basic tasks previously performed by people; by so doing, they make life a little easier and a little more pleasant. Smart cards store vital information such as health records, drivers' licenses, bank balances, and so on. Smart phones, cars and appliances with built-in computers can be programmed to better meet individual needs. A smart house has a built-in monitoring system that can turn lights on and off, open a close windows, operate the oven, and more.

With small computing devices available for performing smart tasks like cooking dinner, turning the lights on and off, and controlling the flow of information in an organization, people are able to spend more time doing what they often do best – being creative. Computers can help people work more creatively.

Multimedia systems are known for their educational and entertainment value, which we call 'educainment'. Multimedia combines text with sound, video, animation and graphics, which greatly enhances the interaction between user and machine and can make information more interesting and appealing to people. Expert systems software enables computers to 'think' like experts. Medical diagnosis expert systems, for example, can help doctors pinpoint a patient's illness, suggest further tests, and prescribe appropriate drugs.

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Connectivity enables computers and software that might otherwise be incompatible to communicate and to share resources. Now that computers are proliferating in many areas and networks are available for people to access data and communicate with others, personal computers are becoming interpersonal PCs. They have the potential to significantly improve the way we relate to each other. Many people today telecommute – that is, use their computers to stay in touch with the office while they are working at home. With the proper tools, hospital staff can get diagnosis from a medical expert, hundreds or thousands of miles away. Similarly, the disabled can communicate more effectively with others using computers.

Distance learning and videoconferencing are concepts made possible with the use of an electronic classroom or boardroom accessible to people in remote locations. Vast databases of information are currently available to users of the Internet, all of whom can send mail messages to each other. The information superhighway is designed to significantly expand this interactive connectivity so that people all over the world will have free access to all these resources.

People power is critical to ensuring that hardware, software, and connectivity are effectively integrated in a socially responsible way. People – computer users and computer professionals – are the ones who will decide which hardware, software, and networks endure and how great an impact they will have on our lives. Ultimately people power must be exercised to ensure that computers are used not only efficiently but in a socially responsible way.

Adapted from 'Computing in the Information Age, 2nd edition, Nancy Stern & Robert A. Ster (Wiley), pages 19-22

1. Find the answers to these questions in the following text. Answers must be given in full sentences and using your own words. (5x0,5 = 2,5 points)

1. Name some types of devices that use 'computers on a chip'.
2. What uses of handheld computers are mentioned in the text?
3. What are the advantages of multimedia?
4. How can computers help the disabled?
5. What aspects of computing can people power determine?

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2. Decide if the following questions are True (T) or False (F). Copy the exact words that justify your answers. (5x0,5 = 2,5 points)

1. Desktop organisers are programs that require desktop computers.
2. Computers are sometimes used to monitor systems that previously needed human supervision.
3. Networking is a way of allowing otherwise incompatible systems to communicate and share resources.
4. The use of computers prevents people from being creative.
5. Computer users do not have much influence over the way that computing develops.

3. Match the terms in A with the statements in B: (5x0,5 = 2,5 points)

a. Edutainment ...	1. Software that enables computers to 'think like experts'
b. Multimedia ...	2. Use computers to stay in touch with the office while working at home
c. Expert system ...	3. Internet system designated to provide free, interactive access to vast resources for people all over the world
d. Telecommute ...	4. Multimedia materials with a combination of educational and entertainment content
e. Information superhighway ...	5. A combination of text with sound, video, animation and graphics.

4. Provide a translation in Spanish of the following sentences from the text: (5x0,5 = 2,5 points)

- a) Not only is computing equipment getting smaller, it is getting more sophisticated.
- b) These smart machines are designed to take over some of the basic tasks previously performed by people; by so doing, they make life a little easier and a little more pleasant.
- c) Connectivity enables computers and software that might otherwise be incompatible to communicate and to share resources.
- d) Vast databases of information are currently available to users of the Internet, all of whom can send mail messages to each other.
- e) Ultimately people power must be exercised to ensure that computers are used not only efficiently but in a socially responsible way.



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Espacio para responder



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WRITING (10 MARKS)

Instructions: each spelling, grammar and vocabulary mistake will result in a penalty of 0'2 points.

Define the following concepts. Your definitions MUST BE TECHNICAL (1x5 = 5 points)

a) Motherboard:

b) Command:

c) Execute:

d) Operating system:

e) Debug:

Read the following advertisement

www.infojobs.com

May 14, 2024

Web Developer position

FUSION TECHNOLOGY LLC

We are looking for a full-time Web Developer to be responsible for the coding, innovative design and layout of our client's websites.

You should be well versed in responsive design, able to write clean code, and ensure your programs run properly. We also expect you to be passionate about building software and perform well working in a team, along with developers, engineers and web designers.

Monthly salary: \$2800 with variable bonus.

Requirements

- 2+ years' experience as Web Developer or Web Programmer
- Significant experience with the following programming languages: Typescript, Redux, CSS, PHP, JavaScript and Bootstrap

Interested candidates please send CV and cover letter.



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Susan Smith – susansmith@fusiotech.com

Imagine you want to apply for the position. Write the cover letter you would attach to your CV. Remember to focus on your education, skills and personal qualities (150 words) 5 points