

SELEZIONE 2023N3

Prova n. 1

1. Il/la candidato/a illustri la definizione di rifiuto secondo il D. Lgs. 152/2006.
2. Movimentazione manuale dei carichi: il/la candidato/a esponga quanto previsto dal titolo VI del D. Lgs. 81/2008.
3. Il/la candidato/a descriva cos'è un browser.
4. Il/la candidato/a legga e traduca il seguente testo:

“The world has become more security conscious, and that awareness extends to laboratories. New guidelines and approaches, driven by legislation and regulation— to say nothing of common sense—are promulgated every year. A laboratory security system is put in place to mitigate a number of risks and is complementary to existing laboratory security policies. In very broad terms, laboratory safety keeps people safe from chemicals, and laboratory security keeps chemicals safe from people. “

SELEZIONE 2023N3

Prova n. 2

1. Il/la candidato/a esponga la classificazione dei rifiuti.
2. Obblighi del preposto: il/la candidato/a esponga quanto previsto dall' art. 19 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva il programma Word e i casi di utilizzo.
4. Il/la candidato/a legga e traduca il seguente testo:

“Unauthorized personnel should not be allowed to enter the laboratory, and if there is any question, laboratory personnel should be instructed to call security for guidance. The organization should ensure that there is a program in place to collect keys or revoke card access to the laboratory before a person leaves the workplace. “

SELEZIONE 2023N3

Prova n. 3

1. Il/la candidato/a illustri il deposito temporaneo.
2. Obblighi del medico competente: il/la candidato/a esponga quanto previsto dall' art. 25 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la funzione SOMMARIO in un documento Word.
4. Il/la candidato/a legga e traduca il seguente testo:

“The laboratory manager should instruct personnel to follow these basic principles for working safely and securely in the laboratory with chemicals. However, many chemicals have the potential to cause harm if they are misused intentionally or unintentionally. It is the responsibility of laboratory leaders to promote a culture of safety and security in the laboratory, so that the environment is a safe place in which to teach, learn, and work. “

SELEZIONE 2023N3

Prova n. 4

1. Il/la candidato/a illustri il formulario di identificazione del rifiuto (FIR).
2. Obblighi connessi ai contratti d'appalto o d'opera o di somministrazione: il/la candidato/a esponga quanto previsto dall' art. 26 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la funzione REVISIONE in un documento Word.
4. Il/la candidato/a legga e traduca il seguente testo:

"Whereas the differing national measures concerning the management of packaging and packaging waste should be harmonized in order, on the one hand, to prevent any impact thereof on the environment or to reduce such impact, thus providing a high level of environmental protection, and, on the other hand, to ensure the functioning of the internal market and to avoid obstacles to trade and distortion and restriction of competition within the Community. "

SELEZIONE 2023N3

Prova n. 5

1. Il/la candidato/a illustri il registro di carico e scarico.
2. Servizio di prevenzione e protezione: il/la candidato/a esponga quanto previsto dal titolo I capo III sezione III del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la formattazione di un documento Word.
4. Il/la candidato/a legga e traduca il seguente testo:

“Whereas, until scientific and technological progress is made with regard to recovery processes, reuse and recycling should be considered preferable in terms of environmental impact; whereas this requires the setting up in the Member States of systems guaranteeing the return of used packaging and/or packaging waste; whereas life-cycle assessments should be completed as soon as possible to justify a clear hierarchy between reusable, recyclable and recoverable packaging. “

SELEZIONE 2023N3

Prova n. 6

1. Il/la candidato/a descriva il modello unico di dichiarazione ambientale (MUD).
2. Riunione periodica: il/la candidato/a esponga quanto previsto dall' art. 35 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva il programma Access e i casi di utilizzo.
4. Il/la candidato/a legga e traduca il seguente testo:

“The Waste Electrical and Electronic Equipment (WEEE) directive establishes an obligation to collect WEEE separately for sorting and recycling, it sets a detailed framework for Extended Producer Responsibility and aims to provide incentives to improve the design of electrical and electronic equipment to facilitate recycling. It was introduced to prevent the generation of WEEE and to promote reuse, recycling and other forms of recovery. “

SELEZIONE 2023N3

Prova n. 7

1. Il/la candidato/a esponga le modalità di raccolta dei rifiuti chimici in laboratorio.
2. Formazione, informazione e addestramento: il/la candidato/a esponga quanto previsto dal titolo I capo III sezione IV del D. Lgs. 81/2008.
3. Il/la candidato/a descriva il programma Power Point e i casi di utilizzo.
4. Il/la candidato/a legga e traduca il seguente testo:

“Setting up a safe and secure laboratory begins with a thorough evaluation of the chemical management practices and physical facilities in which chemicals are stored and used. Carrying out this evaluation will provide essential information for managing your laboratory and prioritizing efforts to improve safety and security. “

SELEZIONE 2023N3

Prova n. 8

1. Il/la candidato/a descriva i rifiuti da apparecchiature elettriche ed elettroniche (RAEE).
2. Rappresentante dei lavoratori per la sicurezza: il/la candidato/a esponga quanto previsto dal titolo I capo III sezione VII del D. Lgs. 81/2008.
3. Il/la candidato/a descriva nel programma Power Point la VISUALIZZAZIONE RELATORE.
4. Il/la candidato/a legga e traduca il seguente testo:

“ All laboratories should keep an accurate inventory of the chemicals on hand. An inventory is a record, usually a database, of the chemicals in the laboratory and essential information on their proper management. A well-managed inventory includes chemicals obtained from commercial sources and those synthesized in the laboratory, as well as the storage location for each container of each chemical. “

SELEZIONE 2023N3

Prova n. 9

1. Il/la candidato/a illustri le caratteristiche di pericolo (HP).
2. Gestione delle emergenze: il/la candidato/a esponga quanto previsto dal titolo I capo III sezione VI del D. Lgs. 81/2008.
3. Il/la candidato/a descriva i documenti PDF e le loro caratteristiche.
4. Il/la candidato/a legga e traduca il seguente testo:

“ The light emitted from a laser is monochromatic, that is, it is of one color/wavelength. In contrast, ordinary white light is a combination of many colors (or wavelengths) of light. Lasers emit light that is highly directional, that is, laser light is emitted as a relatively narrow beam in a specific direction. Ordinary light, such as from a light bulb, is emitted in many directions away from the source. “

SELEZIONE 2023N3

Prova n. 10

1. Il/la candidato/a esponga la classificazione ADR.
2. Luoghi di lavoro: il/la candidato/a esponga quanto previsto dal titolo II del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la funzionalità Gmail di Google.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Member States shall set up a national strategy for the implementation of the reduction of biodegradable waste going to landfills, not later than two years after the date laid down in Article 18(1) and notify the Commission of this strategy. This strategy should include measures to achieve the targets set out in paragraph 2 by means of, in particular, recycling, composting, biogas production or materials/energy recovery. Within 30 months of the date laid down in Article 18(1) the Commission shall provide the European Parliament and the Council with a report drawing together the national strategies. “

SELEZIONE 2023N3

Prova n. 11

1. Il/la candidato/a illustri il confezionamento dei rifiuti speciali pericolosi.
2. Impianti ed apparecchiature elettriche: il/la candidato/a esponga quanto previsto dal titolo III del capo III del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la funzionalità Drive di Google.
4. Il/la candidato/a legga e traduca il seguente testo:

“ This directive (EU, 2012), amending the original version of 1996, supplements the waste management legislation in an important field. The market for electronic equipment increases rapidly, innovation cycles get shorter and the replacement of equipment accelerates, making electric and electronic equipment a fast-growing source of waste. The subject of this directive is therefore to lay down measures “to protect the environment and human health by preventing or reducing the adverse impacts of the generation and management of waste from WEEE ...” (Art. 1). “

SELEZIONE 2023N3

Prova n. 12

1. Il/la candidato/a illustri il confezionamento dei reagenti scaduti.
2. Segnaletica di salute e sicurezza: il/la candidato/a esponga quanto previsto dal titolo V del D. Lgs. 81/2008.
3. Il/la candidato/a descriva il programma Excel e i casi di utilizzo.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Waste management policy and legislation is quite advanced in Europe as a result of the efforts of the European Union. The Waste Framework Directive requires waste management, as per the waste hierarchy, to first focus on waste prevention and then on reuse and recycling or ‘other recovery’, through composting or waste-to-energy processes. What is more, the Landfill Directive requires EU member states to divert biodegradable waste from landfills. It is also required that recyclable materials are collected separately. “

SELEZIONE 2023N3

Prova n. 13

1. Il/la candidato/a descriva come codificare correttamente i rifiuti speciali.
2. Obblighi dei lavoratori: il/la candidato/a esponga quanto previsto dall' art. 20 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva nel programma Excel come si inseriscono formule e funzioni.
4. Il/la candidato/a legga e traduca il seguente testo:

“ The light from a laser is said to be coherent, which means that the wavelengths of the laser light are in phase in space and time. Ordinary light can be a mixture of many wavelengths. These three properties of laser light are what can make it more hazardous than ordinary light. Laser light can deposit a lot of energy within a small area. “

SELEZIONE 2023N3

Prova n. 14

1. Il/la candidato/a illustri il codice CER.
2. Attrezzature munite di videotermini: il/la candidato/a esponga quanto previsto dal titolo VII del D. Lgs. 81/2008.
3. Il/la candidato/a descriva nel programma Excel la funzione cerca verticale (CERCA.VERT).
4. Il/la candidato/a legga e traduca il seguente testo:

“ The typical laboratory contains a wide variety of electrically-powered equipment including stirrers, shakers, pumps, hot plates, heaters, power supplies, ovens, and electrophoresis equipment. These and all electrical devices used in the lab setting present a potential danger of injury due to electric shock, fires due to poorly installed or maintained systems and fires due to sparks serving as an ignition source for flammable or combustible materials. “

SELEZIONE 2023N3

Prova n. 15

1. Il/la candidato/a illustri i codici CER A SPECCHIO.
2. Agenti fisici: il/la candidato/a esponga quanto previsto dal titolo VIII del capo II del D. Lgs. 81/2008 sulla protezione dei lavoratori contro i rischi di esposizione al rumore durante il lavoro.
3. Il/la candidato/a descriva nel programma Excel le funzioni di ordinamento e filtraggio dei dati.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Laboratory personnel are responsible for their electrical equipment. Facilities Operations and Maintenance personnel must perform design changes to the building’s electrical infrastructure. Specific changes may be required when converting a dry laboratory to a wet lab environment or when a change in the electrical load exceeds the capacity in a given area (such as after a new laboratory is established in an existing space). Laboratory personnel are responsible for ensuring that electrical equipment connected to the building power system is in good condition. “

SELEZIONE 2023N3

Prova n. 16

1. Il/la candidato/a descriva il bacino di contenimento.
2. Agenti fisici: il/la candidato/a esponga quanto previsto dal titolo VIII del capo III del D. Lgs. 81/2008 sulla protezione dei lavoratori dai rischi di esposizione a vibrazioni.
3. Il/la candidato/a descriva nel programma Excel la funzione SE.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Zero waste model cities will have to move away from landfilling and focus more on reuse and recycling. The majority of the Indian cities have landfills, either overfilled or heading in that direction. The majority of the household waste end up in landfill sites due to lack of segregation practices and no motivation toward reuse and recycling. If urban local bodies come up with creative solutions as adopted in cities and villages from Kerala, Maharashtra and Karnataka, public will sincerely follow to work toward the three pillars of reduce, reuse, and recycle, which is key to achieve zero waste model. “

SELEZIONE 2023N3

Prova n. 17

1. Il/la candidato/a illustri le modalità di etichettatura dei rifiuti speciali pericolosi.
2. Agenti fisici: il/la candidato/a esponga quanto previsto dal titolo VIII del capo IV del D. Lgs. 81/2008 sulla protezione dei lavoratori dai rischi di esposizione a campi elettromagnetici.
3. Il/la candidato/a descriva nel programma Excel la funzione tabella PIVOT.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Although, there have been examples for converting organic waste into composts in various cities of India. Bio-methanation is a solution for processing biodegradable waste which still remains underexploited in India. Decentralization of the whole process of waste in urban cities in India could make waste collection more efficient, so that Waste to Energy (WtE) anaerobic digestion methods can be put in use. It is believed that if we segregate biodegradable waste from the rest, it could reduce the challenges by half. In fact, the major problem with Waste to Energy incineration methods in India has typically been perceived to be inadequate source segregation. This has resulted in failure of WtE facilities in India. “

SELEZIONE 2023N3

Prova n. 18

1. Il/la candidato/a descriva le caratteristiche dei contenitori per la raccolta dei rifiuti speciali pericolosi.
2. Agenti fisici: il/la candidato/a esponga quanto previsto dal titolo VIII del capo V del D. Lgs. 81/2008 sulla protezione dei lavoratori dai rischi di esposizione a radiazioni ottiche artificiali.
3. Il/la candidato/a descriva nel programma Excel la funzione FORMATTAZIONE CONDIZIONALE.
4. Il/la candidato/a legga e traduca il seguente testo:

“ The Hazardous Waste Regulations 2005 came into force and were produced not only as part of a framework for the controlled management of Hazardous Waste but to replace the Special Waste Regulations. The new hazardous waste definition covers a much wider range of waste and is far broader than that of special waste. It is commonly defined as containing substances or possessing properties that may make it harmful to human health or the surrounding environment but this does not mean that such waste is toxic imminently as it could be prolonged over a period of time. “

SELEZIONE 2023N3

Prova n. 19

1. Il/la candidato/a descriva i rifiuti speciali **non** pericolosi e ne faccia alcuni esempi.
2. Sostanze pericolose: il/la candidato/a esponga quanto previsto dal titolo IX del capo I del D. Lgs. 81/2008 per la protezione dei lavoratori da agenti chimici.
3. Il/la candidato/a descriva nel programma Excel la funzione CONCATENA.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Electrically power-driven equipment, such as hot plates, stirrers, vacuum pumps, electrophoresis apparatus, lasers, heating mantles, ultra-sonicators, power supplies, and microwave ovens are essential elements of many Laboratories. These devices can pose a significant hazard to laboratory workers, particularly when mishandled or not maintained. Many laboratory electrical devices have high voltage or high power requirements, carrying even more risk. Large capacitors found in many laser flash lamps and other systems are capable of storing lethal amounts of electrical energy and pose a serious danger even if the power source has been disconnected. “

SELEZIONE 2023N3

Prova n. 20

1. Il/la candidato/a descriva i rifiuti speciali pericolosi e ne faccia alcuni esempi.
2. Sostanze pericolose: il/la candidato/a esponga quanto previsto dal titolo IX del capo II del D. Lgs. 81/2008 per la protezione da agenti cancerogeni e mutageni.
3. Il/la candidato/a descriva nel programma Excel come si creano grafici.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Working in the biology laboratory can be interesting, exciting, and rewarding. But it can also be quite dangerous if you are not serious and alert and if proper safety precautions are not taken at all times. You are responsible for maintaining an enjoyable, instructional, and safe environment in the biology laboratory. Unsafe practices endanger not only you but the people around you as well. “

SELEZIONE 2023N3

Prova n. 21

1. Il/la candidato/a descriva quali sono le operazioni di recupero (R).
2. Obblighi del datore di lavoro e del dirigente: il/la candidato/a esponga quanto previsto dagli artt. 17 e 18 del D. Lgs. 81/2008.
3. Il/la candidato/a descriva nel programma Excel come si utilizzano le funzioni di collegamento dei dati tra più fogli di lavoro.
4. Il/la candidato/a legga e traduca il seguente testo:

“ Many of the chemicals encountered in the laboratory are toxic or flammable. For example, if you were to place your hand in a beaker of carbon tetrachloride for 5 minutes, enough of this solvent would be absorbed to cause death. Although this substance is particularly dangerous, care should be exercised when using all materials. Odors arising from certain chemicals, such as alcohol, acetone, and formalin, can also be a dangerous hazard to health. It is the law that you be provided information of all chemical hazards before beginning the laboratory.”

SELEZIONE 2023N3

Prova n. 22

1. Il/la candidato/a descriva quali sono le operazioni di smaltimento (D).
2. Dispositivi di protezione individuale: il/la candidato/a esponga quanto previsto dal titolo III del capo II del D. Lgs. 81/2008.
3. Il/la candidato/a descriva la firma digitale e quali sono i vantaggi rispetto alla firma cartacea.
4. Il/la candidato/a legga e traduca il seguente testo:

“ A fundamental precept of radiation safety is that the individuals must assume the responsibility not only for their own safety, but must ensure that their actions do not result in hazards to others. All equipment in the X-ray Lab is properly shielded and regularly checked for x-ray leakage. However, everybody has to understand the basic principles of danger of x-ray radiation exposure and how this can be avoided. “

SELEZIONE 2023N3

Prova n. 23

1. Il/la candidato/a descriva i rifiuti sanitari pericolosi a rischio infettivo e ne faccia alcuni esempi.
2. Sostanze pericolose: il/la candidato/a esponga quanto previsto dal titolo IX del capo III del D. Lgs. 81/2008 per la protezione dai rischi connessi all'esposizione all'amianto.
3. Il/la candidato/a descriva la differenza tra un software open source e un software proprietario.
4. Il/la candidato/a legga e traduca il seguente testo:

“ At Toronto Metropolitan University (TMU), there are several types of lasers and laser systems used in teaching and research to examine the properties of materials. The Laser Safety Manual is part of the overall non-ionizing radiation safety program at Toronto Metropolitan University. This manual was developed to assist university personnel to meet the requirements outlined in the official Laser Safety Policy and Program for research lasers. “

SELEZIONE 2023N3

Prova n. 24

1. Il/la candidato/a descriva i rifiuti sanitari pericolosi **non** a rischio infettivo e ne faccia alcuni esempi.
2. Esposizione ad agenti biologici: il/la candidato/a esponga quanto previsto dal titolo X del D. Lgs. 81/2008.
3. Il/la candidato/a descriva almeno una piattaforma per le videoconferenze.
4. Il/la candidato/a legga e traduca il seguente testo:

“ The Environmental Protection Act deals with issues relating to waste on land, defining all aspects of waste management and places a duty on local authorities to collect waste. As a business, you have a duty to ensure that any waste your company produces is handled safely and within the law. This is your ‘duty of care’ and it applies to anyone who produces, imports, transports, stores, treats or disposes of controlled waste from businesses or industries. “

SELEZIONE 2023N3

Prova n. 25

1. Il/la candidato/a descriva i rifiuti sanitari assimilati ai rifiuti urbani e ne faccia alcuni esempi.
2. Protezione da atmosfere esplosive: il/la candidato/a esponga quanto previsto dal titolo XI del D. Lgs. 81/2008.
3. Il/la candidato/a descriva le modalità di condivisione di un file.
4. Il/la candidato/a legga e traduca il seguente testo:

“ For the purposes of this Directive:

- *"waste" means any substance or object which is covered by Directive 75/442/EEC;*
- *"municipal waste" means waste from households, as well as other waste which, because of its nature or composition, is similar to waste from household;*
- *"hazardous waste" means any waste which is covered by Article 1(4) of Council Directive 91/689/EEC of 12 December 1991 on hazardous waste(7)*
- *"non-hazardous waste" means waste which is not covered by paragraph (c); “*