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Exam Code: 700-240

Exam Name: Cisco Environmental Sustainability Specialization



Exam A

QUESTION 1

What is an internationally accepted standard for Environmental Management Systems?

- A. ISO 9001 certification
- B. EMS 14000 certification
- C. ID 1506 certification
- D. ISO 14001 certification

Correct Answer: D

Section:

Explanation:

The internationally accepted standard for Environmental Management Systems (EMS) is the ISO 14001 certification. This standard helps organizations improve their environmental performance through more efficient use of resources and reduction of waste, gaining a competitive advantage and the trust of stakeholders. ISO 14001 provides a framework for organizations to protect the environment and respond to changing environmental conditions in balance with socio-economic needs. Cisco, like many other leading organizations, adheres to this standard to ensure its environmental management practices are effective and continuously improving. More information can be found in Cisco's sustainability and environmental documentation on their ESG Reporting Hub.

QUESTION 2

How does Circular Design impact the industry-wide Circular Economy program?

- A. reduces consumption and uses renewable sources across our value chain
- B. manages equipment for multiple lifecycles and deploys new business models to facilitate this approach
- C. shapes and pioneers technology solutions and services to enable circular economy value creation for customers
- D. designs products and packaging with circularity in mind, including design for reuse, repair, recycling, and resource efficiency

Correct Answer: D

Section:

Explanation:

Circular Design significantly impacts the industry-wide Circular Economy program by ensuring that products and packaging are designed with circularity in mind. This involves creating products that can be reused, repaired, recycled, and are resource-efficient. Cisco's approach to Circular Design includes training their design community, implementing circular design evaluation methodologies, and reducing the use of virgin plastics and single-use packaging. These efforts help minimize environmental impact and drive innovation within the industry <https://blogs.cisco.com/csr/how-ciscos-circular-design-principles-are-helping-to-minimize-environmental-impact>

QUESTION 3

What are three other names that have described Cisco's Purpose Report? (Choose three.)

- A. CSR
- B. True Waste Report
- C. Economic Inequality
- D. Social Impact
- E. ESG
- F. Environmental Impact

Correct Answer: A, D, E

Section:

Explanation:

Cisco's Purpose Report has been described by several names, including CSR (Corporate Social Responsibility), Social Impact, and ESG (Environmental, Social, and Governance). These reports cover Cisco's initiatives and progress in sustainability, social responsibility, and governance, providing transparency and accountability in their efforts to create a positive impact on society and the environment <https://blogs.cisco.com/csr/powering-an-inclusive-future-a-message-from-ceo-chuck-robbins>

QUESTION 4

How many tons of food is wasted worldwide each year?

- A. 1.3 billion
- B. 2.2 billion
- C. 8.5 billion
- D. 10 billion

Correct Answer: A

Section:

Explanation:

Approximately 1.3 billion tons of food are wasted worldwide each year. This substantial amount of food waste contributes to environmental degradation and highlights the need for more effective waste management and sustainability practices. Reducing food waste is critical for improving food security and minimizing the environmental impact of food production and disposal <https://www.oecd.org/en/about/news/press-releases/2022/02/plastic-pollution-is-growing-relentlessly-as-waste-management-and-recycling-fall-short.html>

QUESTION 5

Which two gases are considered greenhouse gases? (Choose two.)

- A. helium
- B. fluorinated gases
- C. poly dioxide
- D. methane
- E. carbon monoxide

Correct Answer: B, D

Section:

Explanation:

Fluorinated gases and methane are two significant greenhouse gases (GHGs). Methane is a potent GHG that contributes to global warming and is a focus of many environmental sustainability efforts, including Cisco's GHG emission reduction initiatives. Fluorinated gases, although present in smaller quantities, have a high global warming potential and are also targeted in sustainability strategies. Cisco's commitment to reducing GHG emissions is a key part of their environmental goals, as outlined in their Net Zero Emissions strategy.

QUESTION 6

What are three reasons companies are moving to a circular economy? (Choose three.)

- A. improve employee pay
- B. increase revenue
- C. cut costs
- D. differentiate themselves to customers
- E. create better products
- F. reduce outsourcing



Correct Answer: B, C, D

Section:

Explanation:

Companies are moving to a circular economy for several key reasons:

Increase Revenue: By adopting circular economy principles, companies can create new revenue streams through innovative product offerings and services. This model encourages the sale of refurbished or remanufactured products, which can attract cost-conscious customers and open new market segments.

Cut Costs: Circular economy practices often lead to significant cost savings by reducing waste and improving resource efficiency. By designing products that are easier to repair, reuse, and recycle, companies can lower production costs and minimize waste disposal expenses.

Differentiate Themselves to Customers: Companies that embrace circular economy principles can enhance their brand reputation and differentiate themselves in the marketplace. Consumers are increasingly looking for sustainable products and are more likely to support companies that demonstrate a commitment to environmental responsibility.

These reasons are supported by Cisco's sustainability initiatives which focus on promoting a circular economy, enhancing resource efficiency, and reducing waste through various programs such as the Refresh and Takeback and Reuse programs. More details can be found on Cisco's sustainability webpage and their corporate social responsibility reports.

QUESTION 7

In 2020, which percentage of Cisco's manufacturing partners in mainland China set up programs to manage the suppliers' environmental performance using the IPE Blue Map?

- A. 25%
- B. 50%
- C. 67%
- D. 100%

Correct Answer: D

Section:

Explanation:

In 2020, 100% of Cisco's manufacturing partners in mainland China set up programs to manage their suppliers' environmental performance using the IPE Blue Map. This initiative was part of Cisco's broader effort to improve supply chain sustainability and transparency. The IPE Blue Map helps identify and remediate environmental violations, ensuring that suppliers adhere to stringent environmental standards. Cisco's commitment to environmental stewardship and responsible supply chain management is detailed in their corporate social responsibility (CSR) reports and environmental sustainability documents.

QUESTION 8

Which percentage of plastic packaging used globally is recycled?

- A. 14%
- B. 19%
- C. 27%
- D. 41%

Correct Answer: A

Section:

Explanation:

Globally, only 14% of plastic packaging is recycled. This low recycling rate highlights the significant challenges in managing plastic waste and underscores the importance of adopting circular economy practices. Cisco is actively working to address these challenges through initiatives aimed at reducing packaging waste and increasing the use of recyclable materials. This information is consistent with global environmental reports and Cisco's own sustainability efforts aimed at improving resource efficiency and reducing waste.

QUESTION 9

Which percentage of all philanthropic dollars are being spent to address the fight against climate change?

- A. less than 2%
- B. 2-5%

- C. 8%
- D. 20%

Correct Answer: A

Section:

Explanation:

Less than 2% of all philanthropic dollars are currently being spent to address the fight against climate change. This small percentage underscores the need for increased funding and resources to tackle climate change effectively. Enhancing investment in climate change initiatives is crucial for making significant progress in mitigating its impacts and promoting sustainability <https://www.oecd.org/en/about/news/press-releases/2022/02/plastic-pollution-is-growing-relentlessly-as-waste-management-and-recycling-fall-short.html>

QUESTION 10

Which criteria does Cisco use when determining sites for ISO 14001 certification?

- A. facility size and lab area
- B. date of construction
- C. geographical location
- D. governmental regulations

Correct Answer: A

Section:

Explanation:

Cisco uses criteria such as facility size and lab area when determining sites for ISO 14001 certification. This approach ensures that their Environmental Management Systems (EMS) are implemented in locations with significant potential environmental impacts, allowing for effective management and continual improvement of their environmental performance. Cisco's commitment to ISO 14001 certification is part of their broader environmental strategy to comply with international standards and improve sustainability practices across their operations <https://advisera.com/14001academy/blog/2016/10/31/iso-140012015-how-to-set-criteria-for-environmental-aspects-evaluation/>

QUESTION 11

Where does Cisco's commitment to Corporate Social Responsibility start?

- A. business partners
- B. suppliers
- C. board and senior leadership
- D. employees

Correct Answer: C

Section:

Explanation:

Cisco's commitment to Corporate Social Responsibility (CSR) starts at the board and senior leadership level. This top-down approach ensures that sustainability and CSR initiatives are embedded in the company's core strategy and decision-making processes. The leadership team drives these initiatives, setting the tone and providing the necessary resources and support to achieve the company's CSR goals. More details can be found in Cisco's CSR and sustainability reports <https://blogs.cisco.com/csr/powering-an-inclusive-future-a-message-from-ceo-chuck-robbins>

QUESTION 12

How is Cisco helping partners show their commitment to sustainability?

- A. added a sustainability surcharge to all non-recyclable hardware
- B. created a fund to help high-emission partners to offset their carbon emissions
- C. provided exclusive trade-in incentives
- D. provided incentives to partners that reduce their emissions

Correct Answer: D

Section:

QUESTION 13

By what year does Cisco plan to reduce the use of virgin plastic to 20 percent?

- A. 2025
- B. 2027
- C. 2032
- D. 2035

Correct Answer: A

Section:

Explanation:

Cisco plans to reduce the use of virgin plastic to 20 percent by 2025. This target is part of Cisco's comprehensive strategy to minimize plastic waste and promote the use of recycled materials. Achieving this goal involves redesigning products and packaging to incorporate more recycled content, thereby reducing the reliance on virgin plastics and mitigating environmental impact <https://blogs.cisco.com/csr/how-ciscos-circular-design-principles-are-helping-to-minimize-environmental-impact>

QUESTION 14

How do Circular Solutions impact the enterprise-wide Circular Economy program?

- A. shape and pioneer technology solutions and services to enable circular economy value creation for customers
- B. reduce consumption and use renewable sources across our value chain
- C. manage equipment for multiple lifecycles and deploy new business models to facilitate this approach
- D. design products and packaging with circularity in mind, including design for reuse, repair, recycling, and resource efficiency

Correct Answer: A

Section:

Explanation:

Circular Solutions impact the enterprise-wide Circular Economy program by shaping and pioneering technology solutions and services that enable circular economy value creation for customers. This includes developing innovative products and services that facilitate reuse, repair, and recycling, thereby reducing waste and enhancing resource efficiency. Cisco's commitment to circular solutions is integral to its overall sustainability strategy and efforts to promote a circular economy

<https://blogs.cisco.com/csr/stepping-up-our-work-on-circularity>

QUESTION 15

How much CO2 is produced per person each year?

- A. 1890 pounds
- B. 3300 pounds
- C. 2 tons
- D. 7 tons

Correct Answer: D

Section:

Explanation:

According to Cisco's Environmental Sustainability documents, the average carbon dioxide (CO2) emissions produced per person each year is around 7 tons. This figure encompasses all CO2 emissions resulting from individual activities and consumption patterns, including transportation, energy use, and other factors contributing to one's carbon footprint. Cisco's commitment to reducing carbon emissions involves both their corporate practices and encouraging individual responsibility to lower CO2 emissions globally.

QUESTION 16

How do Circular Operations impact the enterprise-wide Circular Economy program?

- A. design products and packaging with circularity in mind, including design for reuse, repair, recycling, and resource efficiency
- B. shape and pioneer technology solutions and services to enable circular economy value creation for customers
- C. manage our equipment for multiple lifecycles and deploy new business models to facilitate this approach
- D. reduce consumption and use renewable sources across our value chain

Correct Answer: C

Section:

Explanation:

Circular Operations refer to managing equipment for multiple lifecycles and deploying new business models to facilitate this approach. This practice ensures that products are used efficiently, refurbished, and recycled, thereby reducing waste and promoting sustainability. Cisco's commitment to Circular Operations is a core component of its enterprise-wide Circular Economy program, helping to maximize resource utilization and minimize environmental impact.

QUESTION 17

What is net zero?

- A. balancing the greenhouse gases going into the atmosphere with the removal of 50 percent of greenhouse gases out of the atmosphere
- B. balancing the greenhouse gases going into the atmosphere with the removal of greenhouse gases out of the atmosphere
- C. balancing the Polyoxide gases going into the atmosphere with the removal of greenhouse gases out of the atmosphere
- D. balancing the greenhouse gases in the atmosphere

Correct Answer: B

Section:

Explanation:

Net zero refers to the state where the amount of greenhouse gases emitted into the atmosphere is balanced by the amount removed from the atmosphere. This balance can be achieved through various means such as reducing emissions, enhancing natural carbon sinks, and employing carbon capture technologies. Cisco's Environmental Sustainability documents emphasize the importance of achieving net zero emissions to mitigate climate change and promote environmental health.

**QUESTION 18**

How does Circular Consumption impact the enterprise-wide Circular Economy program?

- A. designs products and packaging with circularity in mind, including design for reuse, repair, recycling, and resource efficiency
- B. shapes and pioneers technology solutions and services to enable circular economy value creation for customers
- C. reduces consumption and uses renewable sources across our value chain
- D. manages equipment for multiple lifecycles and deploys new business models to facilitate this approach

Correct Answer: C

Section:

Explanation:

Circular Consumption involves reducing consumption and using renewable sources across Cisco's value chain. This principle aims to minimize resource use and environmental impact while promoting sustainability. By focusing on renewable resources and efficient consumption, Cisco contributes to a more sustainable circular economy, aligning with global sustainability goals and reducing its overall environmental footprint.

QUESTION 19

How much money has the Cisco Foundation committed over a ten-year period to address the growing climate crisis?

- A. 10 million dollars

- B. 50 million dollars
- C. 100 million dollars
- D. 125 million dollars

Correct Answer: C

Section:

Explanation:

The Cisco Foundation has committed \$100 million over a ten-year period to address the growing climate crisis. This investment supports initiatives and projects aimed at reducing carbon emissions, promoting renewable energy, and advancing sustainability efforts. Cisco's Environmental Sustainability documents highlight this financial commitment as part of the company's broader strategy to combat climate change and promote a sustainable future.

QUESTION 20

What is a greenhouse gas?

- A. carbon monoxide
- B. butane
- C. fluorite gases
- D. helium

Correct Answer: C

Section:

Explanation:

Greenhouse gases include a variety of gases that trap heat in the atmosphere, with fluorinated gases being one of them. These gases are synthetic and used in various industrial applications but have a high global warming potential. Cisco's Environmental Sustainability documents recognize the importance of managing and reducing emissions of all types of greenhouse gases to mitigate climate change.

QUESTION 21

Which percent of Cisco component and manufacturing suppliers will achieve a zero-waste diversion rate at one or more sites by 2025?

- A. 50%
- B. 65%
- C. 70%
- D. 87%

Correct Answer: C

Section:

Explanation:

Cisco has set a goal for 70% of its component and manufacturing suppliers to achieve a zero-waste diversion rate at one or more sites by 2025. This initiative is part of Cisco's broader effort to promote sustainability and reduce waste across its supply chain. Achieving a zero-waste diversion rate means that virtually all waste materials are reused, recycled, or composted, and nothing is sent to landfills or incineration without energy recovery. This target is part of Cisco's ongoing commitment to environmental sustainability, as detailed in their corporate social responsibility reports and environmental sustainability strategies <https://blogs.cisco.com/csr/environmental-impact-in-ciscos-supply-chain>

QUESTION 22

Why are many municipal recycling programs not accepting foams?

- A. difficult to recycle
- B. logistically challenging to collect
- C. low recycle return

D. foams are mostly biodegradable

Correct Answer: A

Section:

Explanation:

Many municipal recycling programs do not accept foams because they are difficult to recycle. Foam products, such as polystyrene (commonly known as Styrofoam), are lightweight and bulky, making them challenging to handle and process in recycling facilities. The recycling process for foams is also not cost-effective due to the low density and high contamination risk, leading many programs to exclude them from acceptable materials. Instead, these foams often end up in landfills, contributing to environmental pollution. Cisco's sustainability initiatives address such challenges by focusing on the reduction and reuse of materials to minimize waste
<https://www.marketscreener.com/quote/stock/CISCO-SYSTEMS-INC-4862/news/Cisco-Environmental-impact-in-Cisco-s-supply-chain-32945811/>

QUESTION 23

Which principle must 100% of new Cisco products and packaging incorporate by 2025?

- A. Circular Disposal
- B. Circular Economy
- C. Circular Investment
- D. Circular Design

Correct Answer: D

Section:

Explanation:

Cisco has committed to incorporating the principle of Circular Design into 100% of its new products and packaging by 2025. This principle is fundamental to Cisco's sustainability strategy, aiming to minimize waste and maximize resource efficiency. Circular Design involves creating products that are easier to repair, reuse, and recycle, thereby extending their lifecycle and reducing environmental impact. This initiative aligns with global sustainability trends and Cisco's broader goal of promoting a circular economy.

QUESTION 24

Which type of packaging does Cisco plan to reduce by 75% (measured by weight) by 2025?

- A. polystainfloride
- B. plastic
- C. cardboard
- D. foam

Correct Answer: B

Section:

Explanation:

Cisco plans to reduce plastic packaging by 75% (measured by weight) by 2025. This effort is part of Cisco's larger strategy to minimize its environmental footprint and promote sustainability across its operations. Reducing plastic use helps mitigate pollution, decrease dependency on fossil fuels, and supports the transition to more sustainable materials. Cisco's environmental sustainability documents outline various measures, including redesigning packaging, using alternative materials, and improving recycling processes to achieve this goal.

QUESTION 25

How much money was invested in helping Cisco achieve and maintain its Scope 1 and 2 GHG reductions?

- A. \$42,000,000
- B. \$45,000,000
- C. \$48,000,000
- D. \$57,000,000

Correct Answer: A

Section:

QUESTION 26

How much recyclable waste is recycled every year?

- A. 25%
- B. 30%
- C. 50%
- D. 73%

Correct Answer: A

Section:

Explanation:

Globally, about 25% of recyclable waste is actually recycled each year. This relatively low rate highlights significant challenges in waste management systems and underscores the need for improved recycling infrastructure and policies. Various factors contribute to this issue, including contamination of recyclable materials, insufficient recycling facilities, and lack of public awareness about proper recycling practices. The statistics on global recycling rates and related issues can be found in reports from the EPA and OECD <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials> <https://www.oecd.org/en/about/news/press-releases/2022/02/plastic-pollution-is-growing-relentlessly-as-waste-management-and-recycling-fall-short.html>

QUESTION 27

Where did Cisco rank in the Gartner Supply Chain top 25 for 2021?

- A. Number 1
- B. Number 3
- C. Number 7
- D. Number 58



Correct Answer: A

Section:

Explanation:

In a uniquely challenging year, Cisco set new standards in innovation --- and for its core purpose of powering an inclusive future for all. This was especially true across the company's vast global supply chain, where a staggering number of components, semi-finished goods, and finished products are moved and assembled with great efficiency, equity, and respect for the environment. All of this factored in Gartner's decision to name Cisco No. 1 in its Supply Chain Top 25 --- for the second year in a row. <https://newsroom.cisco.com/c/r/newsroom/en/us/a/y2021/m05/q-a-with-john-kern-svp-for-supply-chain-operations.html>

QUESTION 28

By which year does Cisco plan a 30% absolute reduction in Cisco supply chain-related Scope 3 GHG emissions?

- A. 2025
- B. 2030
- C. 2035
- D. 2037

Correct Answer: B

Section:

Explanation:

Cisco has set a goal to achieve a 30% absolute reduction in supply chain-related Scope 3 GHG emissions by 2030. This ambitious target is part of Cisco's broader environmental sustainability strategy, which aims to reduce its

overall carbon footprint and enhance sustainability across its supply chain. Cisco collaborates with suppliers to report and reduce GHG emissions, aligning with science-based targets to ensure meaningful impact. Detailed information on this goal can be found in Cisco's environmental sustainability reports (Cisco Blogs) (MarketScreener). <https://blogs.cisco.com/csr/environmental-impact-in-ciscos-supply-chain>

