Cisco 700-242 Dumps

Shared by Cantrell on 20-11-2026

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Question 1

Question Type: MultipleChoice

From a Cisco customer's perspective, why is reducing electronic waste a priority?

Options:

A- to drive up operating expenses
B- to encourage the disposal of waste that cannot be recycled
C- to concentrate exclusively on selling new hardware
D- to conserve resources and lessen the impact on the environment

Answer:

D

Explanation:

The correct answer is D. to conserve resources and lessen the impact on the environment, because electronic waste reduction supports responsible resource management, circular economy objectives, and the mitigation of environmental impacts associated with discarded technology.

Electronic waste, commonly called e-waste, includes discarded electrical and electronic equipment such as servers, switches, routers, computers, and networking devices.

Improper disposal can create environmental risks, including the release of hazardous substances and the loss of valuable recoverable materials.

Manufacturing replacement equipment also requires raw materials, energy, water, and transportation resources, which contribute to environmental impacts throughout the product lifecycle.

Cisco's circular economy strategy addresses these issues through product repair, refurbishment, remanufacturing, reuse, and responsible recycling.

According to Cisco's official Circular Economy documentation, keeping existing products and materials in use for longer periods can reduce waste, conserve energy, improve supply-chain resilience, and lower costs.

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Cisco Takeback and Reuse supports equipment recovery, while Cisco Refresh provides remanufactured products that extend the useful life of technology assets.

For customers, reducing e-waste can improve resource efficiency, support environmental compliance, and reduce the environmental impacts associated with frequent hardware replacement.

Options A, B, and C contradict these objectives by emphasizing increased costs, unnecessary disposal, or new product sales without considering lifecycle sustainability.

Question 2

Question Type: MultipleChoice

How does Cisco's network-based monitoring help make energy use more efficient?

Options:

A- by favoring energy generated from fossil fuels
B- by causing more energy to be wasted
C- by automatically controlling temperature, lighting, and air quality
D- by prioritizing hardware sales above all else

Answer:

C

Explanation:

The correct answer is C. by automatically controlling temperature, lighting, and air quality, because Cisco's network-enabled smart building solutions integrate environmental monitoring, connected devices, analytics, and automation to optimize building energy consumption.

Cisco's smart building architecture uses network-connected sensors and devices to collect environmental information, including temperature, humidity, occupancy, lighting conditions, and indoor air quality.

According to Cisco's official Optimize Sustainability with Hybrid Work publication, occupancy and environmental monitoring can support automatic adjustments to lighting, ventilation, and HVAC settings.

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For example, when occupancy sensors detect that a meeting room is unoccupied, an integrated building management system can reduce lighting and heating or cooling demand.

Similarly, air quality measurements can inform ventilation adjustments, helping balance indoor environmental conditions with energy efficiency.

Cisco Spaces, Meraki environmental sensors, wireless infrastructure, and compatible third-party building management platforms can contribute to these capabilities.

Network-based monitoring provides visibility and actionable data, while integrated automation and control systems execute the required environmental adjustments.

This distinction is important: monitoring alone does not automatically control physical building systems without suitable integration.

Options A, B, and D contradict the purpose of intelligent energy management by promoting fossil fuel dependence, unnecessary energy consumption, or unrelated commercial priorities.

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Question 3

Question Type: MultipleChoice

Among technology professionals globally, what percentage consider sustainability a top business priority?

Options:

A- 53%
B- 64%
C- 73%
D- 84%

Answer:

B

Explanation:

The correct answer is B. 64%, based on findings from the International Data Corporation (IDC) study Sustainability: From Compliance and Risk Management to Creating Business Value, sponsored by Cisco and published in May 2023.

The study examined sustainability priorities and organizational maturity among 1,244 organizations worldwide.

IDC reported:

64% of survey respondents worldwide view sustainability as a very or extremely important business priority

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The figure combines respondents who classified sustainability as either extremely important (33%) or very important (31%).

This finding demonstrates that environmental sustainability has become an important consideration in organizational strategy, technology investment, operational management, and business planning.

Technology professionals contribute through energy-efficient infrastructure, emissions monitoring, digital automation, sustainable procurement, and electronic waste reduction.

However, IDC also found that approximately half of surveyed organizations remained in the early stages of developing comprehensive sustainability strategies with measurable targets.

This distinction emphasizes that identifying sustainability as a business priority does not necessarily indicate mature implementation.

Cisco supports organizations in progressing from strategic commitments toward measurable sustainability performance through energy-efficient technology, infrastructure optimization, and circular economy solutions.

Options A, C, and D do not correspond to the reported IDC figure.

Question 4

Question Type: MultipleChoice

How does the Cisco UCS X-Series help reduce GHG emissions?

Options:

A- by using less power and expending less heat
B- by focusing on fossil fuel-based solutions
C- by promoting the use of traditional servers
D- by increasing energy consumption and heat output

Answer:

A

Explanation:

The correct answer is A. by using less power and expending less heat, because Cisco UCS X-Series incorporates efficient computing architecture, hardware consolidation, and intelligent power management capabilities.

The Cisco Unified Computing System X-Series is a modular computing platform designed to support enterprise workloads while improving operational efficiency and infrastructure flexibility.

Enterprise Strategy Group's July 2023 technical validation, The Role of Cisco UCS X-Series in Fulfilling Sustainability Objectives, examined energy consumption and cooling requirements across comparable server configurations.

In one comparison involving 40 Cisco UCS X210c M7 compute nodes, the validated configuration consumed 20.4% less power and generated 20.4% less heat than the alternative vendor configuration evaluated.

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The UCS X-Series supports energy efficiency through centralized power distribution, converged networking, modular hardware, efficient cooling management, and reduced component requirements.

Lower electricity consumption can reduce greenhouse gas emissions associated with power generation, while reduced heat output can decrease the cooling requirements of data center environments.

However, these measured improvements apply to the specific configurations and assumptions examined in the study; they are not guaranteed percentages for every deployment.

Options B, C, and D contradict the objective of reducing data center energy consumption and associated emissions.

Question 5

Question Type: MultipleChoice

Which team did Cisco create in 2017?

Options:

A- Circular Social team

B- Circular Economy team
C- Circular Response team
D- Circular Investment team

Answer:

B

Explanation:

The correct answer is B. Circular Economy team, which Cisco established to coordinate sustainability initiatives focused on resource conservation, product lifecycle management, and circular business practices.

Cisco's official publication, We're Making a Sustainable Business Our Reality, explains that its enterprise-wide Circular Economy program was launched in fiscal year 2018 as a dedicated program management office under the executive sponsorship of John Kern, its then-head of supply chain operations.

Cisco Blogs

Because Cisco's fiscal year 2018 began in calendar year 2017, this aligns with the period referenced in the question.

The Circular Economy team coordinates cross-functional activities involving engineering, manufacturing, supply-chain management, product design, procurement, and customer engagement.

Its strategy encompasses five principal initiatives: Circular Design, Circular Operations, Circular Consumption, Circular Solutions, and Ecosystem Leadership.

These initiatives promote longer product lifecycles, repairability, reuse, refurbishment, recycled materials, and responsible equipment recovery.

The team also helps establish internal governance mechanisms and performance metrics to integrate circularity into organizational decision-making.

Cisco's circular transformation supports environmental objectives by reducing unnecessary electronic waste, conserving raw materials, and improving resource efficiency.

Options A, C, and D do not identify the organizational team documented in Cisco's circular economy program.

Question 6

Question Type: MultipleChoice

What types of funding does the Cisco Foundation offer for climate solutions?

Options:

A- grant funding for nonprofits
B- grant funding and impact investments
C- government subsidies
D- impact investments in for-profit ventures

Answer:

B

Explanation:

The correct answer is B. grant funding and impact investments, because the Cisco Foundation combines philanthropic funding with investment capital to support innovative environmental solutions.

Cisco's official Resilient Ecosystems reporting identifies two principal financing mechanisms used by the Foundation: nonprofit grants and impact investments in climate-related ventures.

Cisco Purpose Reporting Hub

Grant funding supports nonprofit organizations developing solutions in nature conservation, ecosystem restoration, regenerative agriculture, environmental education, and climate resilience.

Unlike conventional commercial financing, these grants generally support mission-driven initiatives without requiring financial investment returns.

Impact investing directs capital toward early-stage climate technology companies and investment funds, with the intention of generating measurable environmental benefits alongside potential financial returns.

Cisco's Regenerative Future Fund supports technologies addressing clean energy access, carbon solutions, climate adaptation, and other sustainability challenges.

The Foundation's original 2021 commitment allocated US$100 million over ten years across these financing approaches.

Option A identifies only nonprofit grants, while Option D identifies only the investment

mechanism. Both are incomplete because the question asks for the types of funding.

Option C is incorrect because government subsidies are public-sector financing instruments rather than the Foundation's stated funding mechanism.

The combined approach allows Cisco to support climate solutions across nonprofit and commercial innovation ecosystems.

Question 7

Question Type: MultipleChoice

How does Cisco help its customers reduce energy consumption and lower energy costs?

Options:

A- by designing more energy-efficient products
B- by providing software that maximizes fuel consumption in generators
C- by encouraging the use of traditional energy sources
D- by increasing the use of coal in its data centers

Answer:

A

Explanation:

The correct answer is A. by designing more energy-efficient products, because Cisco incorporates energy optimization into its networking equipment, data center infrastructure, hardware architecture, and product development processes.

According to Cisco's official net-zero strategy, increasing product energy efficiency is one of the primary mechanisms used to reduce environmental impacts across its value chain.

Cisco

Energy-efficient networking and computing equipment can deliver required performance while consuming less electricity than less efficient alternatives.

Cisco pursues these improvements through advanced semiconductor design, intelligent power management, hardware consolidation, improved cooling technologies, and more efficient network architectures.

For example, appropriately designed infrastructure upgrades can improve throughput per watt, reduce the number of physical components required, and optimize power consumption during periods of lower utilization.

These improvements can reduce customer operating expenditure and greenhouse gas emissions associated with electricity consumption.

Because electricity used by sold Cisco products contributes to Cisco's Scope 3 emissions, improving customer-side energy efficiency also supports the company's broader net-zero objectives.

However, actual savings depend on deployment configuration, workload demand, utilization, equipment generation, and electricity prices.

Options B, C, and D contradict Cisco's environmental strategy by promoting unnecessary fuel consumption or increased dependence on carbon-intensive energy sources.

Question 8

Question Type: MultipleChoice

In addition to the Purpose Report, which resource also shares Cisco's progress during its fiscal year toward its Purpose to Power an Inclusive Future for All?

Options:

A- Purpose Reporting Hub
B- Environmental Impact Report
C- Citizenship Report
D- Social Impact Report

Answer:

A

Explanation:

The correct answer is A. Purpose Reporting Hub, because Cisco uses this online reporting platform to provide detailed information about its corporate purpose initiatives, sustainability commitments, performance metrics, and progress toward established goals.

Cisco's corporate Purpose is to Power an Inclusive Future for All, supported by four

interconnected pillars: Community Resilience, Our People, Responsible Innovation, and Energy and Sustainability.

According to Cisco's official Purpose Reporting Hub:

This site provides information and data related to our Purpose initiatives, performance, and policies.

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The annual Purpose Report provides a broad overview of Cisco's activities, achievements, and strategic priorities, whereas the Purpose Reporting Hub offers more detailed information organized by subject.

The platform includes sustainability targets, greenhouse gas emissions data, renewable electricity performance, circular economy initiatives, supplier responsibility, governance frameworks, and environmental reporting methodologies.

It also contains historical performance information and supporting disclosures that allow stakeholders to evaluate progress across reporting periods.

This reporting structure enhances transparency by combining executive-level summaries with more detailed environmental and corporate responsibility data.

Option B is not the specified Cisco reporting platform. Option C refers to an earlier corporate responsibility reporting format, while Option D does not identify the official resource described.

Question 9

Question Type: MultipleChoice

What role does the Cisco Chief Sustainability Officer serve?

Options:

A- to lead and orchestrate environmental sustainability strategy
B- to manage Cisco financial investments
C- to focus on product development
D- to focus on employee well being

Answer:

A

Explanation:

The correct answer is A. to lead and orchestrate environmental sustainability strategy, because Cisco's Chief Sustainability Officer (CSO) provides executive leadership, strategic direction, and cross-functional coordination for the company's environmental sustainability initiatives.

Cisco's climate-related governance reporting identifies the CSO as the executive responsible for implementing its enterprise-wide environmental sustainability strategy and overseeing progress toward established objectives.

According to Cisco's Task Force on Climate-related Financial Disclosures (TCFD) reporting, the Chief Sustainability Officer is responsible for executing the sustainability strategy and coordinating initiatives throughout the organization.

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The role encompasses net-zero planning, circular economy transformation, environmental data management, sustainability governance, and organizational engagement.

The CSO works with engineering, supply-chain management, procurement, finance, operations, legal, and corporate leadership teams to integrate sustainability requirements into business activities.

For example, achieving Cisco's 2040 net-zero commitment requires coordination between teams responsible for renewable electricity, product energy efficiency, supplier emissions, and environmental reporting.

The CSO also helps translate environmental commitments into measurable targets and performance-monitoring processes.

Option B concerns investment management, while Option C represents only one functional area influenced by sustainability.

Option D focuses on employee welfare, which is not the CSO's principal organizational responsibility.

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