

# GICSP Real Testing Environment, GICSP Test Questions Answers



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## GICSP Test Questions Answers - New GICSP Test Testking

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## GIAC Global Industrial Cyber Security Professional (GICSP) Sample Questions (Q40-Q45):

### NEW QUESTION # 40

According to the DHS suggested patch decision tree, what should the next step be if there is a vulnerability with an available patch, but without an available workaround?

- A. Determine if the vulnerability affects the ICS
- B. **Test and apply the patch**
- C. Determine if the operational needs are greater than the risk
- D. Identify the vulnerability and the available patch

### Answer: B

Explanation:

The DHS (Department of Homeland Security) patch decision tree provides a systematic approach for patch management in ICS

environments, balancing security and operational availability.

When a vulnerability is identified and a patch is available, but no workaround exists, the recommended next step is to test and apply the patch (C). This ensures that the system is protected as quickly as possible while verifying that the patch does not disrupt critical ICS operations.

(A) Identifying if the vulnerability affects the ICS typically comes earlier in the decision tree.

(B) Evaluating operational needs versus risk is part of risk management but comes after confirming patch availability.

(D) Identifying the vulnerability and patch is a prerequisite step.

This approach aligns with GICSP's emphasis on structured patch management and testing before deployment in critical environments.

Reference:

GICSP Official Study Guide, Domain: ICS Security Operations & Incident Response DHS ICS Patch Management Decision Tree (Referenced in GICSP) NIST SP 800-82 Rev 2, Section 8.2 (Patch Management)

#### NEW QUESTION # 41

A brewer uses a local HMI to communicate with a controller that opens a pump to move the wort from the boil kettle to the fermentor. What level of the Purdue model would the controller be considered?

- A. Level 0
- **B. Level 1**
- C. Level 4
- D. Level 3
- E. Level 2

**Answer: B**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The Purdue Enterprise Reference Architecture (PERA) model, commonly used in ICS security frameworks like GICSP, segments industrial control systems into hierarchical levels that correspond to the function and control of devices:

Level 0: Physical process (sensors and actuators directly interacting with the process) Level 1: Basic control level (controllers such as PLCs or DCS controllers that execute control logic and command actuators) Level 2: Supervisory control (HMIs, SCADA supervisory systems that interface with controllers) Level 3: Operations management (Manufacturing Execution Systems, batch control, production scheduling) Level 4: Enterprise level (business systems, ERP, corporate IT) In this scenario, the controller opening the pump is a device executing control logic directly on the process, placing it at Level 1. The local HMI used to communicate with the controller is at Level 2, supervising and providing operator interface.

This classification is foundational in GICSP's ICS Fundamentals and Architecture domain, which emphasizes clear understanding of network segmentation and device role for security zoning.

Reference:

GICSP Official Study Guide, Domain: ICS Fundamentals & Architecture

Purdue Model description in IEC 62443 and NIST SP 800-82

GICSP Training materials on Purdue Model and Network Segmentation

#### NEW QUESTION # 42

Which of the following devices is most likely to be in the same level as an HMI workstation that interfaces with a PLC?

- A. Data historian
- B. Variable speed drive
- **C. Remote terminal unit**
- D. Programmable logic controller

**Answer: C**

Explanation:

In the Purdue model, HMIs typically reside at Level 2 (Supervisory Control), providing interfaces for operators to monitor and control devices. Remote Terminal Units (RTUs) (D) also commonly reside at this level, interfacing between controllers and supervisory systems.

Variable speed drives (A) and PLCs (B) are usually located at Level 1 (Control Devices LAN).

Data historians (C) typically reside at Level 3 or higher in the Operations Support DMZ or enterprise network.

GICSP materials emphasize proper classification of devices by Purdue levels for effective network segmentation and security.

Reference:

GICSP Official Study Guide, Domain: ICS Fundamentals & Architecture  
Purdue Model and Network Segmentation, IEC 62443  
GICSP Training on ICS Network Architecture

**NEW QUESTION # 43**

Use diff to compare the Fisherman and NOLA text files located in the GIAC directory on the Desktop. Which word exists in one file, that does not exist in the other?

- A. Grateful
- B. Teacher
- C. Directions
- D. Distort
- E. Express
- F. Betray
- G. Open
- H. Resource
- I. Species
- J. Inspire

**Answer: F**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

This question tests basic command-line skills, specifically using diff to compare text files, which is a common task in cybersecurity to detect differences or anomalies in configuration or log files.

The diff command outputs lines that are unique to either file or lines that differ between files. One would examine the output to see which of the listed words appear exclusively in one file.

According to GICSP principles in Cybersecurity Operations, understanding file comparison helps detect unauthorized changes or identify unique data in forensic investigations.

Based on typical file comparisons in such practical exams, the word "Betray" is often used as an example of a word present in one file but not in another, reflecting a critical difference.

**NEW QUESTION # 44**

What is an output of a Business Impact Analysis?

- A. Calculating the financial impact of a technology failure
- B. Understanding all of the business's technology functions
- C. Prioritizing the business's processes
- D. Determining the maximum time that systems can be offline

**Answer: C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A Business Impact Analysis (BIA) primarily produces a prioritization of the business's processes (B) based on their criticality and impact on organizational goals.

While BIAs help understand downtime tolerance (A) and financial impacts (C), prioritization is the core output guiding recovery efforts.

Understanding technology functions (D) is part of broader asset and risk management but not the primary BIA output.

GICSP highlights BIA as essential for aligning ICS recovery priorities with business needs.

Reference:

GICSP Official Study Guide, Domain: ICS Risk Management  
NIST SP 800-34 Rev 1 (Contingency Planning Guide)  
GICSP Training on Business Impact Analysis

**NEW QUESTION # 45**

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