

SY0-501^{Q&As}

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QUESTION 1

A security administrator is developing controls for creating audit trails and tracking if a PHI data breach is to occur. The administrator has been given the following requirements:

1.

All access must be correlated to a user account.

2.

All user accounts must be assigned to a single individual.

3.

User access to the PHI data must be recorded.

4.

Anomalies in PHI data access must be reported.

5.

Logs and records cannot be deleted or modified.

Which of the following should the administrator implement to meet the above requirements? (Select three.)

- A. Eliminate shared accounts.
- B. Create a standard naming convention for accounts.
- C. Implement usage auditing and review.
- D. Enable account lockout thresholds.
- E. Copy logs in real time to a secured WORM drive.
- F. Implement time-of-day restrictions.
- G. Perform regular permission audits and reviews.

Correct Answer: ACG

QUESTION 2

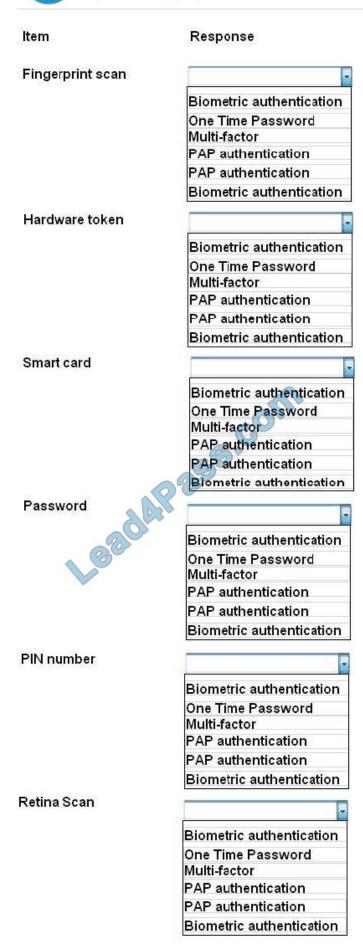
For each of the given items, select the appropriate authentication category from the drop down choices.

Item	Response
Fingerprint scan	
Hardware token	G. G.
Smart card	
Password	93/2
PIN number	
Retina Scan	

Select the appropriate authentication type for the following items:

Hot Area:

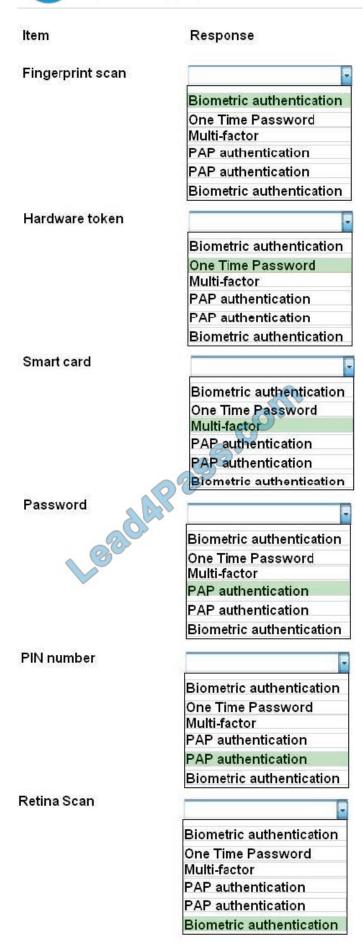
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Correct Answer:

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Biometrics refers to a collection of physical attributes of the human body that can be used as identification or an authentication factor. Fingerprints and retinas are physical attributes of the human body.

Two types of tokens exist, Time-based one-time password (TOTP) tokens and HMACbased one-time password (HOTP). TOTP tokens generate passwords at fixed time intervals, whereas HOTP tokens generate passwords not based on fixed

time intervals but instead based on a non-repeating one-way function, such as a hash or HMAC operation.

Smart cards can have Multi-factor and proximity authentication embedded into it.

PAP allows for two entities to share a password in advance and use the password as the basis of authentication. The same goes for PIN numbers.

References:

Stewart, James Michael, CompTIA Security+ Review Guide, Sybex, Indianapolis, 2014, pp. 282, 285

http://en.wikipedia.org/wiki/Password_authentication_protocol#Working_cycle

http://en.wikipedia.org/wiki/Smart_card#Security

QUESTION 3

DRAG DROP

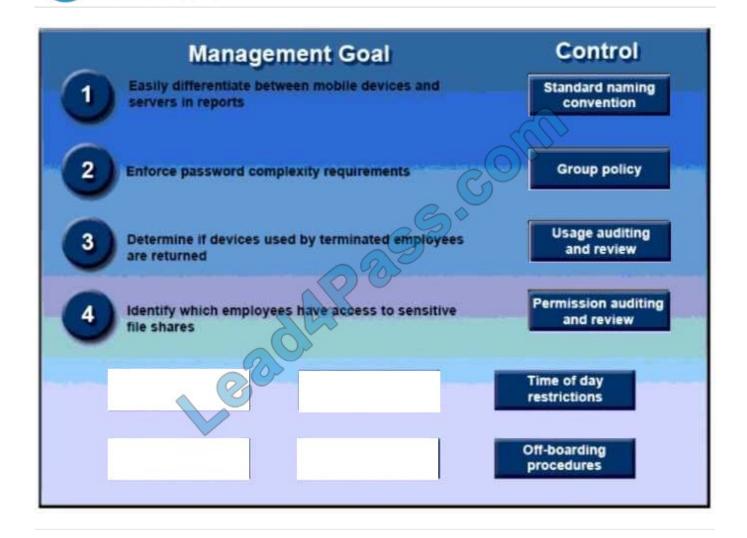
A security administrator has been tasked with implementing controls that meet management goals. Drag and drop the appropriate control used to accomplish the account management goal. Options may be used once or not at all.

Select and Place:

Management Goal	Control
Easily differentiate between mobile devices and servers in reports	
2 Enforce password complexity requirements	
3 Determine if devices used by terminated employees are returned	
Identify which employees have access to sensitive file shares	
	Time of day restrictions
	Off-boarding procedures

Correct Answer:

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QUESTION 4

Management wishes to add another authentication factor in addition to fingerprints and passwords in order to have three-factor authentication. Which of the following would BEST satisfy this request?

- A. Retinal scan
- B. Passphrase
- C. Token fob
- D. Security question

Correct Answer: C

QUESTION 5

The Chief Executive Officer (CEO) of a major defense contracting company a traveling overseas for a conference. The CEO will be taking a laptop. Which of the following should the security administrator implement to ensure confidentiality of the data if the laptop were to be stolen or lost during the trip?



- A. Remote wipe
- B. Full device encryption
- C. BIOS password
- D. GPS tracking

Correct Answer: B

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