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QUESTION 1

A development team has adopted a new approach to projects in which feedback is iterative and multiple iterations of deployments are provided within an application's full life cycle. Which of the following software development methodologies is the development team using?

- A. Waterfall
- B. Agile
- C. Rapid
- D. Extreme

Correct Answer: B

QUESTION 2

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

Item	Response
Fingerprint scan	<input type="text"/>
Hardware token	<input type="text"/>
Smart card	<input type="text"/>
Password	<input type="text"/>
PIN number	<input type="text"/>
Retina Scan	<input type="text"/>

Select the appropriate authentication type for the following items:

Hot Area:

Correct Answer:



Item	Response
Fingerprint scan	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication
Hardware token	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication
Smart card	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication
Password	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication
PIN number	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication
Retina Scan	<input type="text"/> Biometric authentication One Time Password Multi-factor PAP authentication PAP authentication Biometric authentication



Item	Response
Fingerprint scan	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication
Hardware token	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication
Smart card	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication
Password	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication
PIN number	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication
Retina Scan	<ul style="list-style-type: none">Biometric authenticationOne Time PasswordMulti-factorPAP authenticationPAP authenticationBiometric authentication



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

A security analyst is diagnosing an incident in which a system was compromised from an external IP address.

The socket identified on the firewall was traced to 207.46.130.0:6666. Which of the following should the security analyst do to determine if the compromised system still has an active connection?

- A. tracert
- B. netstat
- C. ping
- D. nslookup

Correct Answer: B

QUESTION 4

During a forensic investigation, which of the following must be addressed FIRST according to the order of volatility?

- A. Hard drive
- B. RAM
- C. Network attached storage
- D. USB flash drive

Correct Answer: B



QUESTION 5

An organization wants to implement a method to correct risks at the system/application layer. Which of the following is the BEST method to accomplish this goal?

- A. IDS/IPS
- B. IP tunneling
- C. Web application firewall
- D. Patch management

Correct Answer: C

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