Past-paper walk-through

Detecting Attacks on Data and Applications ▪ 5.6

eXercise

Questions in this set

- 2026 Q11 ▪ 1 mark
- 2026 Q18 ▪ 1 mark

Question 11

2026 ▪ Q11 ▪ 1 mark

A natural gas company's help desk receives reports that the website is intermittently crashing when employees try to log in. The server's access logs include: GET /index.html 200; GET /about.html 200; GET ../../../../etc/passwd 403; GET ../../../../etc/shadow 403. Which of the following application attacks is indicated in the log file? **[1]**

A Buffer overflow attack

B Cross site scripting attack

C Directory traversal attack

D SQL injection attack

Question 11

cybersecurity analyst reviews the server's access logs and finds the following entries.

```
[22/Oct/2025:10:11:02] "GET /index.html HTTP/1.1" 200 4521
[22/Oct/2025:10:11:07] "GET /about.html HTTP/1.1" 200 3890
[22/Oct/2025:10:11:10] "GET ../../../../etc/passwd HTTP/1.1" 403 721
[22/Oct/2025:10:11:12] "GET ../../../../etc/shadow HTTP/1.1" 403 654
```

Solution 11

A Buffer overflow attack

B Cross site scripting attack

C Directory traversal attack ✓

D SQL injection attack

Answer: **C**

Question 18

2026 ▪ Q18 ▪ 1 mark

Referring to the same news article, which of the following types of attacks occurred when the adversary submitted a string that included ' OR '1'='1';–? **[1]**

A SQL injection attack

B Buffer overflow attack

C Cross site scripting attack

D Directory traversal attack

Solution 18

A SQL injection attack ✓

B Buffer overflow attack

C Cross site scripting attack

D Directory traversal attack

Answer: **A**