# Security Architecture and Design

1. Which Orange Book evaluation level is described as "Verified Design"?
   1. B1.
   2. B3.
   3. A1.
   4. B2.
2. Which of the following statements relating to the Bell-LaPadula security model is FALSE?
   1. A subject is not allowed to read up.
   2. It is restricted to confidentiality.
   3. A subject is not allowed to read down.
   4. The \*- property restriction can be escaped by temporarily downgrading a high level subject.
3. Which access control model achieves data integrity through well-formed transactions and separation of duties?
   * + 1. Sutherland model
       2. Non-interference model
       3. Biba model
       4. Clark-Wilson model
4. What mode do applications run to limit their access to system data and hardware?
   1. Supervisor mode
   2. User mode
   3. Tunnel mode
   4. Interprocess mode
5. What is it called when a computer uses more than one CPU in parallel to execute instructions?
6. Multithreading
7. Parallel running
8. Multitasking
9. Multiprocessing
10. Which of the following choices describe a condition when RAM and Secondary storage are used together?
11. Real storage
12. Primary storage
13. Virtual storage
14. Secondary storage
15. Which model focuses on preventing conflict of interest, and access control rules change with user behaviour?
    1. Biba
    2. Bell-LaPadula
    3. Clark-Wilson
    4. Brewer-Nash
16. What is the Biba security model concerned with?
17. Confidentiality
18. Reliability
19. Availability
20. Integrity
21. A mechanism that enforces the authorized access relationships between subjects and objects is known as:
22. the reference monitor.
23. mandatory access control.
24. trusted kernel.
25. discretionary access control.
26. The Information Technology Security Evaluation Criteria (ITSEC) was written to address which of the following that the Orange Book did not address?
27. confidentiality and availability.
28. none of the above.
29. integrity and availability.
30. integrity and confidentiality.