UNIT 1 TEST

1. Which of the following did not appear during the second generation of computing? Integrated Circuits
2. The ___ developed numberical methods for generating square roots, multiplaction tables, and Trigonometric tables used by early sailors. Egyptians
3. Computer Scientists are exclusively responsible for all of the following EXCEPT _ Using Software Packages
4. Hollerith's card machines solved what real-world problem in the late 19th century? Enumerating the 1890 U.S. Census
5. A(n) ____ operation is one that can be understood and carried out directly by the computing agent without further simplification. Unambiguous
6. According to the definition of computer science proposed by Norman Gibbs and Allen Tucker, the central concept in computer science is the ____. Algorithm
7. ___ means that we know which operation to do first and precisely which operation to do next as each step in an algorithm is completed. Ordering
8. Computer Science is the study of hardware, linguistic, formal and mathematical property realizations of algorithms, but NOT the Formal Iterations of Algorithms.
9. Once an algorithm is formally specified, the ____ carries out the steps of the algorithm. Computing Agent
10. The first computer actually sold was called the ____. UNIVAC I
11. Specifying a(n) ____ solution to a problem allows us to take advantage of the speed and power of a computer system to automate the solution. Algorithmic
12. Which of the following operations are the "question-asking" instructions of an algorithm? Conditional
13. ____ means there exists a computational process that allows the computing agent to complete that operation successfully. Effectively Computable
14. The ____ computing device had a memory capacity of 72 numbers and could be programmed to perform a 23-digit multiplication in just 4 seconds. Mark I
15. ____ was the first fully electronic general-purpose programmable computer. ENIAC
16. Which of the following operation categories provide the "looping" instructions of an algorithm? Iterative
17. The first generation of computers used ____ for processing and storage Vacuum Tubes
18. When an algorithm contains no provision to terminate, this is known as a(n) ____. Infinite Loop
19. In ____ computing, miniature computers are embedded into our cars, cameras, kitchen appliances, home heating systems, clothing, and even our bodies. Ubiquitous
20. The fourth generation of computing saw the appearance of the first ____. Microcomputer