Learning that works for Arizona
CTE™

(These items were developed by teachers for the Technical Skills Assessment. Below is a sample item for each program standard.)

Question 1 of 19

What is phishing?

- A) Method of distributing computer viruses.
- B) Example of creating a strong password.
- C) Gathering bytes from the internet.
- D) Emails designed to access recipients' data.

Question 2 of 19

A client gives the technician a copy of a proprietary PC OS installed on a computer. What SHOULD be the technician's greatest concern?

- A) RAM requirements
- B) Software compatibility issues
- C) Software licensing restrictions
- D) Hard drive capacity for the new OS

Question 3 of 19

Which data type is BEST for storing the population of Phoenix, Arizona?

- A) Boolean
- B) Float
- C) Integer
- D) String

Question 4 of 19

What is the value of x given this code segment? x=(5+8÷3-1*2)

- ○ **A)** 6
- ○ **B)** 0
- ○ **C)** -1
- ○ **D)** 9

Question 5 of 19

Which statement is used to make a CONDITIONAL decision while the program is running?

- ○ **A)** if
- ○ **B)** for
- ○ **C)** it
- ○ **D)** let

Question 6 of 19

Which type of data structure ALLOWS for a key that may be a number, a string, or a symbol?

- ○ **A)** Array
- ○ **B)** Sets
- ○ **C)** Hash map
- ○ **D)** Elements

Question 7 of 19

What term REPRESENTS repetitive loops?

- ○ **A)** Class
- ○ **B)** Iterative
- ○ **C)** Conditional
- ○ **D)** Inheritance

Question 8 of 19

What part of this web address is the protocol "http://www.ade.org/index.html"?

- A) http
- B) www
- C) index.html
- D) ade.org

Question 9 of 19

What is a program that enables users to navigate the web?

- A) FTP client
- B) Website
- C) Browser
- D) Web server

Question 10 of 19

Which sequence is in the CORRECT order for a program development cycle?

- A) Analysis, implementation, design, maintenance
- B) Analysis, design, implementation, maintenance
- C) Analysis, design, maintenance, implementation
- D) Analysis, implementation, cost analysis, maintenance

Question 11 of 19

The refactoring technique to help reduce repetitious code would be to place code in which type of class?

- A) New
- B) Child
- C) Duplicate
- D) Parent

What type of programming error is a bug that causes the program to run incorrectly but NOT crash?

- A) Semantic
- B) Logic
- C) Runtime
- D) Syntax

What is a benefit of using a third-party library when creating a software application?

- A) More secure from hacks
- B) App runs faster
- C) Smaller app file size
- D) Shorter development time

Which version control process duplicates a program allowing multiple versions to exist?

- A) Switching
- B) Looping
- C) Compiling
- D) Branching

A student wants to place an image exactly 10 pixels from the top and exactly 10 pixels from the left side of a web browser. Which CSS property SHOULD be used?

- A) Absolute
- B) Initial
- C) Sticky
- D) Relative

What is the term for information added to a database?

○ **A)** Cell

○ **B)** Record

○ **C)** Column

○ **D)** Row

Question 17 of 19

What is a keyword in object-oriented languages that set the accessibility of classes, methods, and other members?

○ **A)** Modifier

○ **B)** Refiner

○ **C)** Qualifier

○ **D)** Array

Question 18 of 19

What information can compilers and interpreters provide when identifying an error?

○ **A)** Timeline of error

○ **B)** Frequency of error

○ **C)** Line of error

○ **D)** Programmer responsible for error

Question 19 of 19

What is the FIRST step of a program development cycle?

○ **A)** Test a program.

○ **B)** Design a solution.

○ **C)** Create a program.

○ **D)** Understand the problem.

Software and App Design Sample Test Answer Key

Question	Answer
1.	D
2.	C
3.	C
4.	A
5.	A
6.	C
7.	B
8.	A
9.	C
10.	B
11.	D
12.	B
13.	D
14.	D
15.	A
16.	B
17.	A
18.	C
19.	D