Sample Test Name: Engineering

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

Question 1 of 7

Which manufacturing function uses statistics to make sure products meet their specifications?

- **A)** Gantt chart
- **B)** Just in time
- **C)** Time study
- **D)** Quality control

Question 2 of 7

What is the activity of returning to a previous step in the design process?

- **A)** Analysis
- **B)** Iteration
- **C)** Research
- **D)** Resolution

Question 3 of 7

Approximately how many 100-watt light bulbs are needed to consume 1/2 horsepower? (1 horsepower = 746 watts)

- **A)** 2
- **B)** 3
- **C)** 4
- **D)** 5

Question 4 of 7

Which function can a variable resistor perform?

- A) Adjusting light intensity
- B) Creating electrical energy
- C) Reversing current direction
- D) Storing electrical charge

Question 5 of 7

Which software application MUST be used to compute the average rainfall drop recorded in the month of July?

- A) Form
- B) Presentation
- C) Spreadsheet
- D) Word processing

Question 6 of 7

What makes a hand drawn sketch effective?

- A) Appropriate use of color
- B) Communication of an idea
- C) Extended time in creative development
- D) Highly detailed drawing of an idea

Question 7 of 7

What tool can assist in managing a "just in time" manufacturing process to ensure that all products and processes happen on time?

- A) Gantt chart
- B) Mind mapping
- C) Online timers
- D) Scatter plot

Engineering Sample Test Answer Key

Question	Answer
1.	D
2.	B
3.	C
4.	A
5.	C
6.	B
7.	A