



INSTITUTE OF APPLIED TECHNOLOGY

Grade 9

Name: Answer Key

Score: / 20

Mid-Cycle Quiz

Science

Date: / 10 / 2010

Section: ID:

Duration: 15 minutes

Choose the best answer:

[4 marks, 2 each]

1. The "Build a bridge" project will **NOT** be judged according to the .

- A. load test
- B. cost
- ☒ C. explosives test
- D. sketch and design

2. Which of the items below was used in the "Build a bridge" project?

- A. Concrete
- B. Welding machine
- ☒ C. Straws
- D. Glue gun

Mark (T) for true and (F) for false statements [4 marks, 2 each]

- | No. | Statement | T / F |
|-----|--|--------------|
| 3 | The total cost per item is the number of items used multiplied by the cost per item. | <u>True</u> |
| 4 | Tape and glue can be used in the "Build a bridge" project. | <u>False</u> |

5. Make a sketch of the design of your bridge. Use this space to draw your design idea **[10 marks]**

Any sketch that clearly shows
the items that were used
is accepted.

6. What is the load test in the "Building a bridge" project? Explain. **[2 marks]**

Car test, by a toy car
Wind test, by a fan
Earthquake test, by shaking the table.
Load test = show if the design can withstand any load.