People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research

University of Larbi Ben M'hidi – Oum El Bouaghi

Department of Mathematics and Computer Science

First Year Master – Computer Science

English Exam

Duration: 45 minutes

Part One: Vocabulary (5 pts)

Complete the sentences with the correct word from the box:

(program – database – website – hardware – algorithm)

1. An *algorithm* is a step-by-step procedure to solve a problem.

2. I use Python to *program* a simple game.

3. Google is a very famous *website*.

4. The *database* stores information in an organized way.

5. A computer cannot work without *hardware* components like the CPU.

Part Two: Grammar (5 pts)

Choose the correct answer:

1. Computers *work* very fast.

2. She *has been learning* coding since last year.

3. If you *click* the file, it will be saved.

4. The data *is processed* by the software.

5. I *am studying* HTML and CSS.

Part Three: Reading Comprehension (10 pts)

Read the text and answer the questions:

"Computers are machines that help people do many tasks. A computer system has both hardware and software. Hardware includes the physical parts like the keyboard, screen, and mouse. Software is the set of programs that run on the computer. Computer scientists write code to create software. Today, people use computers in schools, offices, and even at home."

A. Answer the questions (4 pts):

1. The two main parts of a computer system are *hardware* and *software*.

2. *Computer scientists* write the code for software.

3. People use computers in *schools, offices, and at home*.

4. An example of hardware is a *keyboard*.

B. True or False? (3 pts):

1. Software is the physical part of the computer. *False*

2. Computers are only used in offices. *False*

3. A keyboard is a type of hardware. *True*

C. Find in the text (3 pts):

A synonym of: "jobs" = tasks

The opposite of: "soft" = hardware

A word meaning: "people who work in computer science" = computer scientists*