

CLASSWORK DESIGNED FOR LEVEL TWO ENGINEERING STUDENTS

NAMES OF GROUP MEMBERS:

1. Which tools do you need for the following jobs?

- a) To fix and remove screws in narrow gaps.....
- b) To block the flow of electrons in circuits.....
- c) To allow current to flow in one direction.....
- d) To store electric charge
- e) To restrict the flow of current.....
- f) To twist wires

2. Fill in the blank spaces with the most suitable technical term

A computer is a brain tool that transforms ...1.....into2.....that is displayed on the ...3.....also called the ...4..... To enter data into a computer we use ...5.....devices that are all peripherals. These include a.....6.....that has different keys to which the user can strike to ...7.....in a text. Computer components are divided into two categories, that are8.....which is a set of programs known as 9.....and ...10.....which is the material part that can be touched, seen and felt. This second category includes different parts such as the ...11.....also called the12..... which protects the internal part against ...13.....or dust. To get hard copies, we use a peripheral called.....14.....in which we install a15.....which contains ink. The16.....is another important component whose function is to select, ...17.....and18..... To construct words, a computer uses an alphabet which is made up of two ...19.....and each of them is called a ...20.....

In terms of functions a computer performs, we can define it as an electronic device that21.....data,22.....data,23.....data as desired,24.....the stored data and ...25.....the results.

A computer contains a26..... to which all computer components are connected, a ...27.....which receives power from external sources and transforms it to provide the computer with the necessary amount of energy. The component which plays the role of the brain of the computer is called the.....29.....which is

constituted by the.....30.....which performs calculations and the31.....which decides when to start to receive data, when to stop and where to store them.

3. Why is it important for an engineer to know what all tools and machines are called in the workshop?

4. Have a look at the sentences and match the correct verb from the box with its definition and then find an appropriate tool from exercise 1a) for each task.

Draw | drill | saw | grind | mill | screw | loosen | tighten | solder | measure | shape | sharpen

	Verb	Definition	Tool
1	give a certain form to something, e.g. with a hammer	.....
2	fix the look and the exact measurement of a workpiece on paper	.....
3	To become or make s.th. loose	.....
4	to join two materials to each other by melting their surface	.....
5	To fasten s.th. or make it tight with the help of screws	.....
6	To polish a work piece or sharpen s.th. by rubbing it on a rough, hard surface	.....
7	remove a certain amount of material from a work piece with the help of machinery	.....

8	.....	find out the dimensions of a work piece	.....
9	.....	the opposite of 'to loosen'	.....
10	.....	to make s.th. sharp, e.g. by grinding it	.....
11	.....	to make a hole in a piece of metal or other material	.....
12	.....	separate a piece of material from a whole block	.....

GOOD LUCK