**Applied Acoustics - 11/12/2015 In-class test - Lecturer: Angelo Farina**

Note: some input data are based on the 6 digits of Matricula number, assigned to the 6 letters A B C D E F.

If for example the Matricula is 123456, it means that A=1, B=2, C=3, etc. . Furthermore EF=56 (NOT 5x6).

Top of Form

**Surname and Name**

F

E

D

C

B

A

**Matricula**

1) In Javascript, after defining this vector of integer numbers using your matricula:

**var matN = [A,B,C,D,E,F];**

evaluate the following expression:

**Result=Math.floor(matN[1]+2\*matN[4]-matN[5]/(3+matN[3])-matN[0]);**

*write resulting number:*

2) In Javascript, evaluate the value of the variable **Result** after this piece of code:

**for (i = matN.length ; i > 0; i--)**

**{**

 **text += matN[i-1] + '|';**

**}**

*write resulting string:*

3) In Javascript, write the code for computing the 6 variables A,B,C,D,E,F from the variable Matricula, which contains your matricula number as a single long integer (ex.: **Matricula=123456;**)

*write the code in the following text field*

4) In Plogue Bidule, which module do you use for splitting a mono signal in two, containing respectively low frequencies / high frequencies ?

*One answer only*

* Spectral / CrossFader
* Mixing / Cross Fader
* Mixing / Fader Cross
* Building Blocks / Mixing / CrossFader
* Building Blocks / Filters / Crossover Filter

5) In Plogue Bidule, how do you assign the number of inputs and outputs to a group object?

*Multiple answers allowed*

* Right click on group object, Group, and select “Properties”
* Right click on group object, Group, and select “Parameters”
* Select the objects to be grouped, right-click, Group, Group selected objects
* Connect the required inputs and outputs onto the corresponding outputs and inputs of the audio device
* It is automatically defined by the number of inputs and outputs of the first and last object in the group