**IO1.A – Assessment Tools**

Each partner should produce for each of the 2 assigned Math topics:

* + 40 questions/answer for the Student Need Assessment Tool
  + 20 questions/answer for the Student Assessment Tool

When producing the questions, please consider that:

* + Each question must be related to one of the 2 topics assigned per partner
  + For each question there are 4 answers: 1 answer is correct, 3 answers are wrong

Please use the following table to create each question.

|  |  |  |
| --- | --- | --- |
| Description | *Please provide a short description of the text* | |
| Topic | * Manipulation of algebraic expressions * Trigonometric functions * Real Functions of a single variable * Differentiation * Integration * Matrix and determinats * Geometrical interpretation * EigenValues and EigenVectores | * Linear systems * Complex Numbers * Graphs * Optimization * Limits and sequences * Statistics * Real Functions of several variables * Differential equations |

|  |  |  |  |
| --- | --- | --- | --- |
| **Question n. 1** | | | |
| *Text of the question* | | | |
| Level | * Basic | * Advanced | |
| *Answer n. 1* | | | *True* |
| *Answer n. 2* | | | *False* |
| *Answer n. 3* | | | *False* |
| *Answer n. 4* | | | *False* |

|  |
| --- |
| **For more explanation see:** |
| *Link to some material on the Online MathE Library*  *It will be possible to upload links only once the MathE Library will be available.* |

*Please copy and paste these tables for the other questions.*