INFORMATICS FOR MANAGEMENT – 1ST YEAR

NUMBER: _____ NAME: _____ CLASS GAi

Excel Mini-Exam – Duration: 20m

The following image represents a table with the times obtained by several athletes in four 400m races. Please fill the appropriate boxes with correct formulas. At the end, return this paper, with your answers, to the lecturer. The formulas should be possible to be copied to the cells covered by an arrow. Each formula must return a valid result, even for different figures than those in the table (the values might change). You can see the answer for the first question, as an example. Each question receives 4 marks out of 20.

	A	B	C	D	E	F	G	H	I	J	K
1	**Name**	**Country**	**Age**	**Ranking**	**Race 1 (sec)**	**Race 2 (sec)**	**Race 3 (sec)**	**Race 4 (sec)**	**3. Points**	**Average /Athlete**	**Continent**
2	Alain	FRA	23	11	52,3	46,5	52,9	51,4	47	50,8	European
3	Jones	USA	22	9	47,4	--	56,0	55,4		52,9	Not European
4	Silva	POR	25	7	52,1	46,0	45,3	47,3	139	47,7	European
5	Cheng	CHI	31	2	52,5	53,4	F	--		52,9	Not European
6	Klaus	GER	20	5	F	55,5	56,5	47,6		53,2	European
7	Moreno	ESP	28	1	49,1	F	F	45,4		47,3	European
8	Janus	POL	29	6	49,1	56,9	52,8	52,4	49	52,8	European
9											
10	**1.** Atlhetes at start »				6	6	5	7			
11	**2.** Average Ranking (until 28) »			8							
12	**4.** Round average of the older »			52,9							
13	**5.** Please, write the sentence »	The 2 not European Athletes ran, in average, in 52,9 seconds.									
14	Notes: -- The Athlete participated but did not end the race										

0. Calculate the average time obtained by each athlete on the races on which he participated (J2).

J2 =ROUND(AVERAGE(E2:H2); 1)

1. Account the total number of athletes on each race (E10).

E10 =COUNT(E2:E8) + COUNTIF(E2:E8; "--")

2. Calculate the Ranking, in average, of the athletes under 28 years old (D11).

D11 =AVERAGEIF(C2:C8; "<28"; D2:D8)

3. Calculate the points obtained for each athlete who participated and completed all the races, knowing that his score is given by the sum of the times obtained in the races in which he ran in less than 51 seconds (I2).

I2 =IF(COUNT(E2:H2)=4; SUMIF(E2:H2; "<51"; E2:H2); "")

4. Calculate the average of times obtained by the older athlete, rounded to one decimal place (D12).

D12 =ROUND(AVERAGEIF(C2:C8; MAX(C2:C8); J2:J8); 1)

5. Write the sentence indicated in D13 (consider including at least two formulas) (D13).

D13 ="The " & COUNTIF(K2:K8;"<>European") & " not European Athletes ran, in average, in " & ROUND(AVERAGEIF(K2:K8; "<>European"; J2:J8); 1) & " seconds."