İSTANBUL AYDIN ÜNİVERSİTESİ
"Aydınlık bir geleceğe"

Name, Surname   :
Number   :
Course Code   : SENG102
Course Name   : Computer Programming I
Date   :16.01.2014

Please make sure to write your name and student number on each paper that you have used

Question Number	1	2	3	**4**	Total
Mark					

Note: 1-Exam duration is 60 minutes only. 2-Explain each answer clearly 3-Read each question carefully.

Yrd.Doç.Dr. Oğuz Ata

1- Given the following C program:**What is the output** from an execution of this C program? (Explain the output comming from where? Only output is **zero point**!)

```c
 #include <stdio.h>
float magic(float *,int );
int main( void )
 {
 float n[ 4 ] = { 1.1, 3.5, 15.3, 7.66};
printf("R=%f",magic(&n[0],4));

return 0;
 }
float magic(float *p,int k){
int i;
float m=*p;
for(i=0;i<k;i++){
     if(m<*(p+i)){
     m=*(p+i);}
}
return m;
}
```

2- Write a <u>function</u> that multiply 2-dimensional, two matrices and write the result on the screen (the function does not return any value, function just write the result.)

3-Write a <u>function</u> that evaluates the factorials of the integers from another function like main()

4- Write a <u>function</u> in C that accepts a **2-dimensional floating-point array** and **its sizes** as argument and **returns the average of the values** in that array.