يوم الامتحان: السبت

تاريخ الامتحان: 28 / 5 / 2019 م

المادة : حاسب الي 2 (40 مج)

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مدرس بقسم الرياضيات بكلية العلوم

الاسئلة و نموذج الإجابة

ورقة كاملة

Benha University
Faculty of Science
Dept. of Mathematics

Time: One Hour
Second Semester 2018-2019
Date : 28/5/2019

Computer Science (2) (40 UR) for First Level Students

Choose the correct answer for each of the following:[15 x 2+2 x 4+2 x 5= 48 Marks]

1- What is the index number of the last element of an array with 9 elements?
   (A) 9   (B) 0   (C) 8   (D) 1

2- ofstream is ….
   (A) stream class to write on file   (B) stream class to read from file
   (C) stream class to both read and write from/to file.

3- Let we have the statement, int K[3] = {2, 5}, then sizeof(K)/sizeof(K[0]) equals to
   (A) 2   (B) 3   (C) 5   (D) 7

4- The following statements are correct
   int pos1;   ofstream myfile ("example.txt");   pos1 = myfile.tellp();
   (A) Yes   (B) No

5- Given the statement, int M[2][3] = {{2, 1, 3}, {3, 4, 5}}, then
   (A) M[1][2] = 3   (B) M[1][2] = 4   (C) M[1][2] = 5

6- The function seekg() allows to change the location of ….. position.
   (A) the get and put   (B) the get   (C) the put

7- The form of seekp() function is …..
   (A) seekp (position);   (B) seekp (position); or seekp (offset, direction);

8- tellp() function returns a value of the member type ….
   (A) stream   (B) streampos   (C) int

9- The following statements are correct
   ifstream myfile ("example.txt");   string line;
   while (getline (line))   cout << line << '\n';
   (A) Yes   (B) No

What will be the output of the following C++ programs (segments)?

10- string str1("Hello "), str2("world");
   str1 += str2;
   cout << str2 << endl;
   (A) Hello   (B) world   (C) Hello world

11- string str("aabbcc");
   cout << str.at(3) << " " << str[2] << " " << str.at(str.length() - 1) << endl;
   (A) a a c   (B) b b c   (C) b b a

12- string str1("Hello"), str2("Hallo");
   cout << str1.compare(str2) << endl;
   (A) 1   (B) 0   (C) -1

13- string str("aabbcc");   cout << str.substr(1, 5) << endl;
   (A) aabbcc   (B) aabbc   (C) abbcc   (D) bbcca

14- #include <iostream.h>
```
   int main(){
   char str[5] = "ABC";
   cout << str[2];      cout << str;    return 0;  }
```
   (A) AABC   (B) BABC   (C) CABC

15- #include <iostream>
```
   void printarray (int A[], int length) {
     for (int n=0; n<length; ++n)    cout << A[n] << " ";}
   int main (){
    int array[] = {5, 10, 15};
    printarray (array[],3);    return 0;}
```

16- #include<iostream.h>
```cpp
int fun(int b[]){
   int t = b[0];
   for (int i = 0; i < 5; i++)
      if(b[i] < t)
         t = b[i];
   return t;}
int main(){
 int a[7] = {2,7,3,4,5,1,10};
 cout << fun(a) << endl;
 return 0;}
```
 (A) 5   (B) 10   (C) 1   (D) 2

17- #include <iostream.h>
```cpp
#include <fstream.h>
int main(){
   streampos begin ,end;   ifstream myfile ("example.txt");
   begin = myfile.tellg();     myfile.seekg (0, ios::end);
   end = myfile.tellg();       myfile.close();
   cout <<  (end-begin) << endl;   return 0;   }
```
 (A) print the character in the first position of example.txt
 (B) print the character in the last position of example.txt
 (C) print the size of example.txt

18- #include<iostream.h>
```cpp
int main(){
 bool A[5] = {false, false, false, false, false};
 int B[3] = {4, 1, 2};
 int C[3] = {2, 0 , 4};
 for(int i=0;  i< 3; i++){
   int m = B[i];
   A[m] = true;
 }
 for(int j=0;  j< 3; j++){
   int n = C[j];
   if(A[n])
     cout << n << " ";
 }
 cout << endl; return 0; }
```
 (A) 0 1 2 4   (B) 0   1   (C) 2 4

19- #include<iostream.h>
```cpp
void fun1 (int & a, int & b)
{   int temp = a;    a = b;   b = temp;  }
void fun2 (int a[], int n){
   int i = 0, j = n - 1;
   while (j < i)
      fun1 (a[i++], a[j--]);}
int main(){
 int a[3] = {7, 8, 9};
 fun2(a,3);
 for(int i=0;  i< 3; i++)   cout<<a[i] << " ";
 return 0;}
```
 (A) 9 8 7   (B) 7 8 9   (C) 8 8 9   (D) 7 7 9

Best Wishes
Dr. Mosab Abd El-Hameed and Dr. Heba Fathy

Model Answer
Computer Science (2) (40 UR) for First Level Students

1- C
2- A
3- B
4- B
5- C
6- B
7- B
8- B
9- B
10- B
11- B
12- A
13- C
14- C
15- C
16- D
17- C
18- C
19- B