

يوم الامتحان : السبت

تاريخ الامتحان : 5 / 1 / 2019 م

المادة : حاسب الي 1 (30 مج)

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مدرس بقسم الرياضيات بكلية العلوم

الاسئلة و نموذج الإجابة

ورقة كاملة



Computer Science (1) (30 UR) for First Level Students

Group (A)

Choose the correct answer for each of the following:[12x1+18x2 = 48 Marks]

- 1- The function $\tan(x)$ is defined in the header file
(A) math.h (B) iomanip.h (C) string.h (D) iostream.h
- 2- Any statement in C++ ends with
(A) } (B) { (C) ;
- 3- is logical operator
(A) == (B) && (C) >
- 4- Which of the following is used to terminate the function prototype?
(A) ! (B) ; (C) } (D) nothing
- 5- In the following function prototype: `int fun(double Num1, double& Num2);`
(A) Function fun can modify the arguments passed to both Num1 and Num2
(B) Function fun can not modify the arguments passed to Num1 and Num2
(C) Function fun can only modify the argument passed to Num1
(D) Function fun can only modify the argument passed to Num2
- 6- The output of the following C++ statement is
`cout << pow(2, 5);`
(A) 25 (B) 32 (C) 10 (D) 2.5
- 7- Given $m=20$, $n=6$ then the value of the expression $(++m \% n--)* 3$ is ...
(A) 20 (B) 7 (C) 9 (D) 6
- 8- The C++ expression of $\ln(x)$ is
(A) $\log_{10}(x)$ (B) $\log(x)$ (C) $\ln(x)$ (D) $\ln_{10}(x)$
- 9- The number of iterations in the following statement is
`for(int M =1; M<=9; M += M)`
`cout<<"hello C++";`
(A) 6 (B) 5 (C) 16 (D) 4
- 10- The output of the following C++ statements is
`int x = 1, y =5; cout << (x < y ? -1 : (x == y ? 0 : 1));`
(A) 1 (B) -1 (C) 0 (D) nothing
- 11- The following C++ statement is correct?
`for (; ;)`
(A) Yes (B) NO
- 12- A boolean function returns a value to the caller.
(A) bool (B) int (C) char (D) double

What will be the output of the following C++ programs?

- 13- `#include <iostream.h>`
`int fun(int a, int b)`
`{`
`return (a > b ? a : b);`
`}`
`int main(){`
`int i = 5, j = 7;`
`cout << fun(i, j);`
`system("pause"); return 0;`
`}`
- (A) 9 (B) 7 (C) 5 (D) 11

- 14- #include <iostream.h>
void fun(int a, int & b){
int temp = b; b = a; a = temp;}
int main(){
int c = 2, d = 5;
fun(c,d);
cout << c * d << endl;
system("pause"); return 0;}
(A) 25 (B) 10 (C) 4 (D) 12
- 15- #include <iostream.h>
int fun (int x, int y){
int result = 0;
while (y != 0){
result = result + x;
y = y - 1;
}
return result;}
int main (){
int x = 5, y = 5;
cout << fun(x, y) ;
system("pause"); return 0 ;}
(A) 20 (B) 25 (C) 30 (D) 35
- 16- #include<iostream.h>
int fun(int n){
int f = 0;
for(int i = 1; i <= n; i+=3)
f += i;
return f;}
int main(){
cout << fun(20) << endl;
system("pause"); return 0;}
(A) 35 (B) 75 (C) 70 (D) 100
- 17- #include <iostream.h>
int fun(int X, int Y){
return X * Y;
}
double fun(double X, double Y){
return X + Y;
}
int main(){
cout << fun(5, 6) << " ";
cout << fun(5.5, 6.6);
system("pause"); return 0;}
(A) 30 12.1 (B) 11 36.3 (C) 5 5.5 (D) 6 6.6
- 18- #include<iostream.h>
int main(){
int s = 10;
for(int x = 1; x <= 7; x+=2)
s = s * x ;
s = s * 2;
cout << s << endl;
system("pause"); return 0;}
(A) 1200 (B) 2100 (C) 1000 (D) 2000

- 19- #include <iostream.h>
void fun(int & number) {
 number+=10;}
int main() {
 int n = 8;
 fun(n);
 cout << n << endl;
 system("pause"); return 0; }
(A) 20 (B) 19 (C) 18 (D) 8
- 20- #include <iostream.h>
void fun(int & a, int & b, int & c){
 a = a + 1;
 b = b + c;
 c = c + 5;
}
int main(){
 int x = 1, y = 2, z =3;
 fun(x, y, z);
 cout << x * y * z << endl;
 system("pause"); return 0; }
(A) 70 (B) 80 (C) 90 (D) 110
- 21- #include<iostream.h>
int main(){
 int i, j, Y = 0;
 for (i = 1; i <= 5; i ++)
 for (j = i; j <= 5; j ++)
 Y = Y + (i + 2 * j);
 cout << Y << endl;
 system("pause"); return 0; }
(A) 120 (B) 105 (C) 140 (D) 145
- 22- #include<iostream.h>
int main()
int count = 1;
do{
 cout << (count % 2 ? "*****" : "****") << endl;
 ++ count; } while (count <= 3);
system("pause"); return 0; }
(A) ***** (B) ****
 *** ****
 **** ***
- 23- #include<iostream.h>
int fun(int x, int y, int z){
 int A =x;
 if(y>A)
 A = y;
 if(z > A)
 A =z;
 return A;}
int main(){
 int a = 3, b = 1, c = 4;
 cout << fun(a,b,c) << endl;
 system("pause"); return 0;}
(A) 3 (B) 1 (C) 4 (D) 8

24- #include <iostream.h>
int fun(int a, int b){
int temp;
while (b != 0)
{
temp = a % b;
a = b;
b = temp;
}
return a; }
int main (){
int x = 15, y = 25;
cout << fun(x, y);
system("pause"); return 0;}
(A) 15 (B) 25 (C) 375 (D) 5

25- #include<iostream.h>
int main(){
for (int M = 0; M < 6; M ++)
{
if (M % 2 == 0) cout << M + 1 << endl;
else if (M % 6 == 0) break;
else if (M % 5 == 0) continue;
cout << "end program \n";
}
cout << "end...";
system("pause"); return 0;}
(A) 1 (B) 1
end program end program
end program 3
3 end program
end program 5
end program end program
5 end...
end program
end...

26- #include<iostream.h>
int main(){
int A=5;
for (int i = 1; i <= 2; i ++)
for (int j = 1; j <= 4; j ++)
for (int k = 1; k <= 2; k ++)
A = A + i + j;
cout << A << endl; system("pause"); return 0;}
(A) 60 (B) 96 (C) 69 (D) 90

27- #include <iostream.h>
int main(){
int n = 6, z = 1;
do {
z*= n;
n--;
}while (n > 1);
cout << z << endl;
system("pause"); return 0;}
(A) 700 (B) 120 (C) 720 (D) 32

28- #include<iostream.h>
 int fun(int n, int m){
 int p = 1;
 for(int i = 1; i <= m; i++)
 p *= n;
 return p;}
 int main(){
 int result=0, num1 = 3, num2 = 4;
 for(int i = 1; i <= num1; i+=2)
 result += fun(num2, i);
 cout << result << endl;
 system("pause"); return 0;}
 (A) 60 (B) 86 (C) 68 (D) 80

29- #include <iostream.h>
 int main()
 { int g = 10, n = 1, s = 1;
 while (s < g)
 s += ++n;
 cout << n;
 system("pause"); return 0;}
 (A) 5 (B) 4 (C) 3 (D) 2

30- #include<iostream.h>
 int fun(int first, int last)
 {
 int i, X = 0;
 if (first <= last)
 for (i = first; i <= last; ++i)
 X += i;
 else
 for (i = first; i >= last; --i)
 X += i;
 return X;
 }
 int main(){
 int a = 7, b = 12;
 cout<< fun(a, b)<<endl;
 system("pause"); return 0;}
 (A) 55 (B) 57 (C) 75 (D) 77

Best Wishes

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Model Answer

Computer Science (1) (30 UR) for First Level Students

Group (A)

- 1- A
 - 2- C
 - 3- B
 - 4- B
 - 5- D
 - 6- B
 - 7- C
 - 8- B
 - 9- D
 - 10- B
 - 11- A
 - 12- A
 - 13- B
 - 14- C
 - 15- B
 - 16- C
 - 17- A
 - 18- B
 - 19- C
 - 20- B
 - 21- D
 - 22- A
 - 23- C
 - 24- D
 - 25- A
 - 26- C
 - 27- C
 - 28- C
 - 29- B
 - 30- B
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