|  |  |
| --- | --- |
| Total marks : | 60 |
| For each correct answer **:** | +3 |
| For each incorrect answer: | -1 |
| Total time: | 60 minutes |

Top of Form

1.

What will be output if you will execute following c code?

#include<stdio.h>

int main(){

    int a=0;

    #if (a==0)

         printf("Equal");

    #else if

         printf("Not equal");

    #endif

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | Equal |  |
| (B) | Not equal |  |
| (C) | null |  |
| (D) | Garbage |  |
| (E) | Compilation error |  |

2.

What will be output if you will execute following c code?

#include<stdio.h>

int main(){

    for(;NULL;)

         printf("cquestionbank");

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | c |  |
| (B) | bank |  |
| (C) | cquestionbank |  |
| (D) | Infinite loop |  |
| (E) | Compilation error |  |

3.

What will be output if you will execute following c code?

#include<stdio.h>

auto int a=5;

int main(){

    int x;

    x=~a+a&a+a<<a;

    printf("%d",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0 |  |
| (B) | 1 |  |
| (C) | 154 |  |
| (D) | 155 |  |
| (E) | Compilation error |  |

4.

What will be output if you will execute following c code?

#include<stdio.h>

void main(){

    int a=5;

    {

         int b=10;

         ++b;

         ++a;

         {

             int a=20;

             ++a;

             a=++b;

         }

         ++a;

         ++b;

         printf("%d %d",a,b);

    }

    printf(" %d",a);

}

|  |  |  |
| --- | --- | --- |
| (A) | 7 13 7 |  |
| (B) | 13 13 13 |  |
| (C) | 13 13 5 |  |
| (D) | 6  13 5 |  |
| (E) | Compilation error |  |

5.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int a[]={0,1,2,3,4,5,6,7,8,9,10};

    int i=0,num;

    num=a[++i+a[++i]]+a[++i];

    printf("%d",num);

}

|  |  |  |
| --- | --- | --- |
| (A) | 6 |  |
| (B) | 7 |  |
| (C) | 8 |  |
| (D) | 9 |  |
| (E) | Compilation error |  |

6.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int i=3,val;

    val=sizeof f(i)+ +f(i=1)+ +f(i-1);

    printf("%d %d",val,i);

}

int f(int num){

    return num\*5;

}

|  |  |  |
| --- | --- | --- |
| (A) | 2 0 |  |
| (B) | 7 1 |  |
| (C) | 17 0 |  |
| (D) | 2 1 |  |
| (E) | Compilation error |  |

7.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int i;

    (i=8)+=1;

    printf("%d",i);

}

|  |  |  |
| --- | --- | --- |
| (A) | 9 |  |
| (B) | 10 |  |
| (C) | 32 |  |
| (D) | 34 |  |
| (E) | Compilation error |  |

8.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    char c=-'a';

    printf("%d",c);

}

|  |  |  |
| --- | --- | --- |
| (A) | 65 |  |
| (B) | -65 |  |
| (C) | -a |  |
| (D) | -97 |  |
| (E) | Compilation error |  |

9.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int num,a=5;

    num=-a--;

    printf("%d  %d",num,a);

}

|  |  |  |
| --- | --- | --- |
| (A) | 5  4 |  |
| (B) | -4 4 |  |
| (C) | -5 4 |  |
| (D) | -4 5 |  |
| (E) | Compilation error |  |

10.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int num,a=10;

    num=a&&0+ +-1&&a;

    printf("%d  %d",num,a);

}

|  |  |  |
| --- | --- | --- |
| (A) | 1 1 |  |
| (B) | 0 0 |  |
| (C) | 1 10 |  |
| (D) | 0 10 |  |
| (E) | Compilation error |  |

11.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int x,y,z;

    y=(x=1,y=2,z=3);

    printf("%d  %d  %d",x,y,z);

}

|  |  |  |
| --- | --- | --- |
| (A) | 1 2 3 |  |
| (B) | 1 1 3 |  |
| (C) | 1 3 3 |  |
| (D) | 1 0 3 |  |
| (E) | Compilation error |  |

12.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

void main(){

    int t,a=5,b=10,c=15;

    t=(++a&&++b,++a),++a||++c;

    printf("%d  %d  %d %d",t,a,b,c);

}

|  |  |  |
| --- | --- | --- |
| (A) | 7 8 11 15 |  |
| (B) | 6 7 10 14 |  |
| (C) | 1 8 10 15 |  |
| (D) | 6 18 11 15 |  |
| (E) | Compilation error |  |

13.

What will be output if you will execute following c code?

#include<stdio.h>

#include<conio.h>

int a=5;

void main(){

    int x;

    x=!a+change();

    printf("%d",x);

}

int change(){

    a=0;

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0 |  |
| (B) | 5.000000 |  |
| (C) | 0.000000 |  |
| (D) | 1.000000 |  |
| (E) | Compilation error |  |

14.

What will be output if you will execute following c code?

#include<stdio.h>

typedef struct cquestionbank{

    int num;

    struct cquestionbank \*\*p;

    struct cquestionbank \*\*\*q;

}cqb;

int main(){

    static cqb \*var1,\*\*var2;

    cqb temp={5,&var1,&var2};

    var2=&var1;

    var1->num=25;

    printf("%d  %d ",\*\*(temp.q),\*\*\*(temp.q));

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0 5 |  |
| (B) | 0 25 |  |
| (C) | 5 25 |  |
| (D) | 25 5 |  |
| (E) | Compilation error |  |

15.

What will be output if you will execute following c code?

#include<stdio.h>

union cqbu{

    int a;

    char b;

};

struct cqbs{

    int a;

    char b;

};

int main(){

    union cqbu u={25};

    struct cqbs \*ps=(struct cqbs \*)&u;

    union  cqbu \*pu=(union  cqbu \*)&u;

    printf("%d  %d\n",ps->a,ps->b);

    printf("%d  %d\n",pu->a,pu->b);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 25 0  25 25 |  |
| (B) | 25 25  25 0 |  |
| (C) | 0 0  25 25 |  |
| (D) | 25 25  25 25 |  |
| (E) | Compilation error |  |

16.

What will be output if you will execute following c code?

int main(){

    float x;

    x=(float)3.5==3.5;

    printf("%f",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0 |  |
| (B) | 0.000000 |  |
| (C) | 1.000000 |  |
| (D) | 3.000000 |  |
| (E) | Compilation error |  |

17.

What will be output if you will execute following c code?

int main(){

    float x;

    x=(int)(int)2.5+5.8f;

    printf("%f",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 7.000000 |  |
| (B) | 7.800000 |  |
| (C) | 8.000000 |  |
| (D) | 8.100000 |  |
| (E) | Compilation error |  |

18.

What will be output if you will execute following c code?

int main(){

    float x;

    x=(float)3.3==3.3;

    printf("%f",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0.000000 |  |
| (B) | 1.000000 |  |
| (C) | 3.000000 |  |
| (D) | 3.300000 |  |
| (E) | Compilation error |  |

19.

What will be output if you will execute following c code?

#include "string.h"

typedef struct stu1{

    int roll;

    char \*name;

    double marks;

}STU1;

typedef struct stu2{

    int roll;

    char \*name;

    double marks;

}STU2;

void main(){

    STU1 s1={25,"Rohit",87.43},\*p1;

    static STU2 \*p2;

    p1=&s1;

    memccpy(p2,p1,'\0',sizeof(STU1));

    printf("Roll  : %d\n",p2->roll);

    printf("Name  : %s\n",p2->name);

    printf("Marks : %lf",p2->marks);

}

|  |  |  |
| --- | --- | --- |
| (A) | Roll  : 25  Name  : (null)  Marks : 0.000000 |  |
| (B) | Roll  : 25  Name  : rohit  Marks : 0.000000 |  |
| (C) | Roll  : 25  Name  : rohit  Marks : 87.430000 |  |
| (D) | Roll  : 0  Name  : (null)  Marks : 0.000000 |  |
| (E) | Compilation error |  |

20.

What will be output if you will execute following c code?

#include<stdio.h>

#define value 30

int main(){

    #if max

         printf("Defined");

    #else

         printf("Not defined");

    #endif

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | Defined |  |
| (B) | Not defined |  |
| (C) | null |  |
| (D) | Run time error |  |
| (E) | Compilation error |  |

Bottom of Form