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

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1.

What will be output of following c program?

#include<stdio.h>

#define max

int main(){

    printf("%d",max);

    return 0;

}

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

2.

What will be output of following c program?

#include<stdio.h>

int main(){

    for(printf("1");!printf("0");printf("2"))

         printf("Sachin");

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 10sachin2 |  |
| (B) | 10sachin |  |
| (C) | 10sachin210sachin2 |  |
| (D) | 10 |  |
| (E) | Compilation error |  |

3.

What will be output of following c program?

#include<stdio.h>

int main(){

    int a=5;

    static int b=a;

    printf("%d %d",a,b);

    return 0;

}

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

4.

What will be output of following c program?

#include<stdio.h>

void main(){

    int i;

    for(i=0;i<5;i++){

         int x=0;

         printf("%d",x);

         x++;

    }

}

|  |  |  |
| --- | --- | --- |
| (A) | 01234 |  |
| (B) | 001234 |  |
| (C) | 0000 |  |
| (D) | Infinite loop |  |
| (E) | Compilation error |  |

5.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int a[]={5,10,15};

    int i=0,num;

    num=a[++i]+ ++i+(++i);

    printf("%d",num);

}

|  |  |  |
| --- | --- | --- |
| (A) | 6 |  |
| (B) | 17 |  |
| (C) | 16 |  |
| (D) | 12 |  |
| (E) | Compilation error |  |

6.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int i=3,val;

    val=f(i)+ +f(i=1)+ +f(i-1);

    printf("%d",val);

}

int f(int num){

    return num\*5;

}

|  |  |  |
| --- | --- | --- |
| (A) | 30 |  |
| (B) | 20 |  |
| (C) | 21 |  |
| (D) | 31 |  |
| (E) | Compilation error |  |

7.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

long fu(int);

char vect[]={1,2,3,4,5};

void main(){

    int i=1;

    i=fu(++i)+ ++vect[++i]+ ++i+fu(i++);

    printf("%d",i);

}

long fu(int x){

    return x\*3;

}

|  |  |  |
| --- | --- | --- |
| (A) | 31 |  |
| (B) | 32 |  |
| (C) | 33 |  |
| (D) | 34 |  |
| (E) | Compilation error |  |

8.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int a,i=4;

    a=- -i+- -i+- -5;

    printf("%d %d",a,i);

}

|  |  |  |
| --- | --- | --- |
| (A) | 13  4 |  |
| (B) | -3  2 |  |
| (C) | 7   2 |  |
| (D) | -13 4 |  |
| (E) | Compilation error |  |

9.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int num,a=5;

    num=---a;

    printf("%d  %d",num,a);

}

|  |  |  |
| --- | --- | --- |
| (A) | -4  4 |  |
| (B) | 3   3 |  |
| (C) | -4  5 |  |
| (D) | -5 -5 |  |
| (E) | Compilation error |  |

10.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int num,a=10;

    num=a--- -a--;

    printf("%d  %d",num,a);

}

|  |  |  |
| --- | --- | --- |
| (A) | 0 8 |  |
| (B) | 0 10 |  |
| (C) | 20 8 |  |
| (D) | -1 10 |  |
| (E) | Compilation error |  |

11.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int z;

    z=(5,3,2);

    printf("%d",z);

}

|  |  |  |
| --- | --- | --- |
| (A) | 5 |  |
| (B) | 3 |  |
| (C) | 2 |  |
| (D) | 10 |  |
| (E) | Compilation error |  |

12.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

void main(){

    int i=5,j=10,num;

    num=(++i,++j,i+j);

    printf("%d  %d  %d",num,i,j);

}

|  |  |  |
| --- | --- | --- |
| (A) | 17  6  11 |  |
| (B) | 6   6  11 |  |
| (C) | 15  6  11 |  |
| (D) | 15  5  10 |  |
| (E) | Compilation error |  |

13.

What will be output of following c program?

#include<stdio.h>

#include<conio.h>

float avg(float,float,float);

void main(){

    float p=1,q=2,r=-2,a;

    a=avg(p,(q=4,r=-12,q),r);

    printf("%f",a);

}

float avg(float x,float y,float z){

    return (x+y+z)/3;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0.111111 |  |
| (B) | 1.000000 |  |
| (C) | -0.777777 |  |
| (D) | -1.000000 |  |
| (E) | Compilation error |  |

14.

What will be output of following c program?

#include<stdio.h>

int main(){

    float \*\*(\*ptr)[4]=(float \*\*(\*)[4])0;

    ptr+=5;

    printf("%d  %d",ptr,sizeof ptr);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 0  2 |  |
| (B) | 5  2 |  |
| (C) | 4  2 |  |
| (D) | 40 2 |  |
| (E) | Compilation error |  |

15.

What will be output of following c program?

#include<stdio.h>

struct myStruct{

    int a;

    char b;

}\*ptr;

int main(){

    struct myStruct ms={400,'A'};

    printf("%d  %d",ptr->a,ptr->b);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 400 A |  |
| (B) | 400 65 |  |
| (C) | 400 97 |  |
| (D) | 0  0 |  |
| (E) | Compilation error |  |

16.

What will be output of following c program?

#include<stdio.h>

int main(){

    float x;

    x=(int)5.6f\*3.2f/sizeof((int)6.6);

    printf("%f",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 8.960000 |  |
| (B) | 9.600000 |  |
| (C) | 8.000000 |  |
| (D) | 2.000000 |  |
| (E) | Compilation error |  |

17.

What will be output of following c program?

#include<stdio.h>

#define plus +

#define minus +plus

int main(){

    long x,i=3;

    x=+ + i;

    printf("%ld",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 4 |  |
| (B) | 3 |  |
| (C) | 0 |  |
| (D) | 6 |  |
| (E) | Compilation error |  |

18.

What will be output of following c program?

#include<stdio.h>

int main(){

    float x;

    x=(int)1.1,(float)2.2,(int)3.3 ,5.4;

    printf("%f",x);

    return 0;

}

|  |  |  |
| --- | --- | --- |
| (A) | 1.000000 |  |
| (B) | 5.400000 |  |
| (C) | 2.200000 |  |
| (D) | 3.300000 |  |
| (E) | Compilation error |  |

19.

What will be output of following c program?

#include<stdio.h>

#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;

    STU2 \*p2;

    p1=&s1;

    memcpy(p2,p1,4);

    printf("Roll  : %d\n",p2->roll);

    printf("Name  : %s\n",p2->name);

    printf("Marks : %lf",p2->marks);

}

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

20.

What will be output of following c program?

#include "string.h"

typedef struct stu1{

    char name1[6];

    char name2[6];

    double marks;

}STU1;

void main(){

    STU1 s1={"rohit","kumar",87.43},\*p1;

    char \*p;

    p1=&s1;

    p=memchr(p1,'u',sizeof(STU1));

    printf("%s",p);

}

|  |  |  |
| --- | --- | --- |
| (A) | r |  |
| (B) | rohit |  |
| (C) | umar |  |
| (D) | rohit kumar |  |
| (E) | Compilation error |  |

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