V19ce4 Question paper

Write the output for the following programs

1. #include<stdio.h>

main()

{

int i=0,j=0;

while(i<2)

{

l1 : i++;

while(j<3)

{

printf(“Loop\n”);

goto l1;

}

}

}

1. #include<stdio.h>

main()

{

int a=5,b=-7,c=0,d;

d=++a&&++b||c;

printf(“%d%d%d%d\n”,a,b,c,d);

}

1. int main ()

{

static int x = 5;

if ( x-- > 0 )

{

main();

printf("%d ", x);

}

}

1. Which of the following operation is not possible in a register variable?

a)Reading the value into a register variable

b)Copy the value from a memory variable

c)Global declaration of register variable

d)All of the mentioned

1. int main()

{

int one = 1, two = 2;

#ifdef next

one = 2;

two = 1;

#endif

printf("%d, %d", one, two);

}

1. 1, 1
2. 1,2
3. 2,1
4. 2,2
5. #include <stdio.h>

void foo(int\*);

int main()

{

int i = 10;

foo((&i)++);

}

void foo(int \*p)

{

printf("%d\n", \*p);

}

1. #include <stdio.h>

int main()

{

int ary[4] = {1, 2, 3, 4};

int \*p = ary + 3;

printf("%d\n", p[-2]);

}

8) main() is key word. True or false?

9) A program that has no command line arguments will have argc \_\_\_\_\_\_\_\_\_

10) include <stdio.h>

void main()

{

int k = 5;

int \*p = &k;

int \*\*m = &p;

printf("%d%d%d\n", k, \*p, \*\*p);

}

11) #include <stdio.h>

int main()

{

char \*str = "hello world";

char strc[] = "good morning india\n";

strcpy(strc, str);

printf("%s\n", strc);

return 0;

}

1. hello world
2. hello worldg india
3. Compile time error
4. Undefined

12) #include <stdio.h>

int main()

{

char \*\*p = {"hello", "hi", "bye"};

printf("%s", (p)[0]);

return 0;

}

13) #include <stdio.h>

int main()

{

float f1 = 0.1;

if (f1 == 0.1)

printf("equal\n");

else

printf("not equal\n");

}

14) #include <stdio.h>

int main()

{

int x = 10000;

double y = 56;

int \*p = &x;

double \*q = &y;

printf("p and q are %d and %d", sizeof(p), sizeof(q));

return 0;

}

15) #include <stdio.h>

union Sti

{

int nu;

char m;

};

int main()

{

union Sti s;

printf("%d", sizeof(s));

return 0;

}

16) what is static function?

17) #include <stdio.h>

struct student

{

char \*name;

}; struct student s[2];

void main()

{

s[0].name = "alan";

s[1] = s[0];

printf("%s%s", s[0].name, s[1].name);

s[1].name = "turing";

printf("%s%s", s[0].name, s[1].name);

}

a) alan alan alan turing

b) alan alan turing turing

c) alan turing alan turing

d) run time error

18) What is self referential structure pointer ?

19) What is function pointer ?

20) what is typedef ? Write the syntax of typedef ?