1.The format character %d used to print

A) Character

B) String

C integer

D) float

2. x=5; y=x++;

A) assigns a value 5 to y

B) gives an error message

C) assigns a value 6 to y

D) assigns a value 7 to y

3. The logical operator ! is used for doing

A) Logical AND B) Logical OR

C) Logical NOT D) None of above

4.Which character is used to read short integer  
a) d  
b) hd

c)ld  
d) None of the mentioned

5.The file opening mode “r” is used

|  |  |
| --- | --- |
| A | Read the file |
| B | Write into the file |
| C | Read and write operation |
| D | None of the above |

6.Which operator is used to terminate the statement  
a) !  
b) ;  
c) :  
d) }

7.The value 32767 can represented using which data type?  
a) double  
b) void  
c) int  
d) bool

8.The length of the string correct is “correct”  
a) 7 b) 8  
c) 6 d)9

9..Which of the function that must contain in all C program

A) system() B) main() C)scanf() D)printf()

10.What is a array?  
a) An array is a series of elements of the same type in contiguous memory locations  
b) An array is a series of element  
c) An array is a series of elements of the same type placed in non-contiguous memory locations  
d) None of the mentioned

11.Which symbol must be used to signal the beginning and ending of the C program  
a) < , >  
b) (, )  
c) {, }  
d) [ ]

12.What punctuation must be used to end the C statement  
a) : colon b) ; semi colon

c) % d) . dot

13. The length of the string correct is “JIANGXI UNIVERSITY”  
a) 17 b) 18  
c) 16 d)19

14.The directive of the preprocessor begin with   
a) Ampersand symbol(&)  
b) Two slashes(//)  
c) Number sign9999999999   
d) Less than symbol(<)

15.Which one of the following is Boolean operator for logical AND

A) system() B) main() C)scanf() D)printf()

二. SECTION B (5 x 6 =30)

1. write a note on integer constant?

①decimal integer: consisting of numbers “0”to “9”.

②octal integer: begin with number “0”,consisting of numbers “0” to “7”

③hexadecimal integer: consisting of numbers “0”to “9” and letters “a”to “f” or “A”or “F”,begin with “0x” or “0X”

2.What is meant Type casting? Give an example?



1. What is variable? What are the rules followed during the creation of variable name in C ?



1. Write any six escape sequence character?

\0,\a,\b,\t,\n,\v,\f,\r,\”,\’,\\,\ddd,\xhh

5.Give an example to describe the Structure in C?

eg.struct score

{

int Math;

int Phy;

Int Eng;

};

struct student

{

int Id;

char Name[20];

char Gender[3];

char Class[20];

Struct score Score;

};

6.What is Compiler? Write a C program to print “hello world”?

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("Hello world!\n");

return 0;

}

7.What is the name of ? : operator ? Explain with an example?



1. What is variable? What are the rules followed during the creation of variable name?



1. What is relational expression? Write the relational operator used in C

eg.a>b,5>3,a>b==c,(a=b)!=(c=d),(c=10)==’b’

1. Write any 12 keywords used in C?

int,float,short int,unsigned,auto,if,switch,char,double,long int,signed

1. What are Increment and Decrement Operator? Write a C program example?

Used operational character “++”or”--”

eg.

1. Explain the bitwise operator with program example?

eg.int main() int main()

{ {

int a=4; int a=3;

int b=7; a=a<<4;

int c=a&b; printf(“%d\n”,a);

printf(“c=%d\n”,c); }

return 0;

}

1. Explain about the character and string constant used in C?

Charactor:any charactor used in ASCⅡ number systern

String constant:

14.Write an user defined function and implement in your program.?

#include <stdio.h>

int Max(int x,int y);

int mian()

{

int a,b,c

printf("Please input two numbers:\n");

scanf("%d%d",&a%b);

c=Max (a,b);

printf("maxmum=%d",c);

return 0

}

int Max (int x,int y)

{

if (x>y)

return x;

else

return y;

}

15. Write a note on preprocessor directives with example?

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("Hello world!\n");

return 0;

}

三.Answer the following SECTION C (3 x 10=30)

1. Write a c program to create single dimentional array to store 10 numbers and print the sum of the numbers?

#include<stdio.h>

int main()

{

int i,a[10];

int sum=0;

for(i=0;i<10;i++)

{

scanf("%d",&a[i]);

}

do{

sum=sum+a[i];

}

while(i<10);

printf("%d",sum);

return 0;

}

2. Give the general syntax structure to write the function and Write a program to add any two integer number by using function?

#include<stdio.h>  
int add(int x,int y)  
{  
  int z;  
  z=x+y;  
}  
int main()  
{  
 int a,b,c;  
 a=10;  
 b=2;  
c=add(a,b);  
printf("%d",c);

return 0;  
}

3. What is Union? Give an example?

Several variables together occupy a segment of memory.

union data

{

int i;

char ch;

double d;

}a;

4.Explain enumeration data type with simple example?

#include<stdio.h>  
int main()  
{  
   int a,b,c;  
   a=3&&4;  
   b=0||1;  
   c=!1;  
    printf("%d,%d,%d",a,b,c);  
    return 0;  
}

5.What is Pointer? Declare five different type of pointer?

①int \*p ②long \*lp ③double \*dp④char \*cp⑤float \*fp

6. Write a detail note on preprocessor directive?

①Can’t end in “,”,

②Must occupy a single line.

7. Write a c program to implement the concept function call by value and call by reference? 写一个C程序来实现概念函数值调用和参考调用

8.Explain logical operator With C program implementation? 用C程序实现解释逻辑运算符

#include <stdio.h>

int main()

{

int a,b,c;

a=(5>3)&&(3<2);

b=(5>3)||(3<2);

c=!(5>3);

printf("a=%d,b=%d,c=%d",a,b,c);

return 0;

}

9.Write the various file opening modes in C?

r ,w , a,r+,w+,a+

四. Answer the following questions in detail with necessary examples SECTION D ( 2 x 15 = 30 marks)

1.Write a C program to illustrate three different looping control structure? 用C语言实现三种不同的循环控制结构。

**1,#include<stdio.h>**

**void main()**

**{ int i,sum;**

**sum=0;**

**i=1;**

**while (i<=100)**

**{ sum=sum+i;**

**i++;**

**}**

**printf(“sum=%d,i=%d\n”,sum,i);**

2,#include<stdio.h>

Int main( )

{

int i,k=0;

for(i=1;i<=10;i++)

k=k+1;

for(i=1;i<10;i++)

k=k+2\*i;

printf(“%d\n”,k);

}

缺一个do-while

3, #include<stdio.h>

int main( ){

int a,i=0,sum=0;

printf("Enter 5 numbers\n");

do{

scanf("%d",&a);

sum=sum+a;

i++;

}while(i<5);

printf("%d",sum);

return 0;

}2. What are the file opening modes? Write a simple c program to create a file?

3. What is an Array? Give an example program to declare, initialize, and Access an Array? 什么是数组？给出一个声明、初始化和访问数组的示例程序

The simplest type of data structure.

#include<stdio.h>

int a[10]={0};

int i=0 ;

for(;i<10;i++)

scanf(“%d”,&a[ i ]);

for(i=0 ;i<10 ;i++)

printf(“%d”,a[ Ii ]);

return 0;

}

4. What are the file opening modes? Write a simple C program to read the content of the a file? 文件打开模式是什么？编写一个简单的C程序来读取文件的内容？

“r”,“w”,“a”,“b”,“+”

#include <stdio.h>

int main()

{

FILE \*fp;

int ch;

fp=fopen(“c:\\windows\\system.ini”,“r”);

If(fp!=NULL)

{

while(!feof(fp))

{

ch=fgetc(fp);

putchar(ch);

}

}

fclose(fp);

return 0;

}

5. Explain the various conditional control structure with example? 举例说明各种条件控制结构？

6. Explain the various string handling function in C? Write the various function used to do input and output operation in file? 用C解释各种字符串处理函数？编写各种函数，在文件中进行输入和输出操作？