

PSEUDOCODES

Question 1

Find the output of following pseudo code for values a-10, b-6

1)

2)

2)

4)

Func (Int a, Int b)

3)

4)

3)

1)

Int tem

Answer: 1

while(b)

temp=aMODb

a=b

b=emp

end while

return a

end-function

Question 2

What will be the output if the following pseudocode if a 10 and b-6

1)

2)

2)

4)

Integer func (Integer a, Integer b)

3)

4)

3)

1)

Integer temp

Answer: 1

while(b)

temp = a MOD b

a=b

b=temp

end while

return a

End function func()

Question 3

What will be output of the following code?

1)

2)

c++0 1 2 3

c+0 1 2 3

#include <stdio.h>

3)

4)

int main()

c+++123

c

{

Answer: 1

int x=123;

int i={

printf("C" "++")

}

Answer: 1

for (x=0;x<=i,x++){

printf("%x "x):

{

Answer: 1

return 0;

}

Question 4

What is the another notation for exponentiation.

1)

*

2)

**

3)

4)

*^

Answer: 2

Question 5

```
#include<stdio.h>
```

```
int fun(int x, int y)
```

```
int main()
```

```
{
```

```
int i,n;
```

```
i=5
```

```
n=7
```

```
int fun(5,7);
```

```
printf("%d , f);
```

```
}
```

```
int fun(int x, int y)
```

```
{
```

```
if (x,<=0)
```

```
return y;
```

```
else
```

```
return(fun(x-1.y-1));
```

```
.
```

1)

0

2)

1

3)

2

4)

3

Answer: 3

Question 6

What will be the output of the following pseudo code?

1)

2

2)

8

```
Integer x y z
```

3)

0

4)

64

```
set x=24, y=8
```

Answer: 4

```
x=x/y
```

```
Print z
```

[Note: << is left shift operator, it takes two numbers, left shifts the bits of the first operand, the second operand

decodes the number of...]

Question 7

Consider the following code:

```
if (condition 1){
```

1)

NOT (conditon2) AND NOT
(conditon3)

2)

condition1 AND condition4
AND NOT (condition2) AND
NOT (condition3)

```

if (condition 2)
//Statement A } else
if (condition 3)

//Statement B} else
//Statement C } else
if (condition 4)

//Statement D}
else
//Statement E}

```

Which of the following condition will allow execution of statement A?

- Question 8
a symbol used for grouping
- | | |
|-------|-----|
| 1) | 2) |
| ()''' | {} |
| 3) | 4) |
| [] | ''' |

Answer: 1

- Question 9
Set a=6, b=3 C=2
if(b>a && a>c && c>b)
b=a+1
else
a= b+1
print a+b+c
- | | |
|----|----------------|
| 1) | 2) |
| 11 | 9 |
| 3) | 4) |
| 5 | run time error |

Answer: 2

- Question 10
int main()
{
int x=4, y=0;
int z
z=(y++, y);
printf("%d\n", z);
return 0:
}
- | | |
|--|-------------------|
| 1) | 2) |
| 1 | 0 |
| 3) | 4) |
| undefined behavior due to
order of evaluation can be
different | compilation error |

Answer: 1

- Question 11
Find the output of following pseudocode
- ```

int main()
{
int a=0,b-1,c-2
*((a+1)? &b : &a)=a? b: c;
printf("%d %d, %d\n", a, b, c);

```
- |       |       |
|-------|-------|
| 1)    | 2)    |
| 0 1 2 | 0 2 0 |
| 3)    | 4)    |
| 0 2 2 | error |

Answer: 4

```
return 0:
```

```
}
```

**Question 12**

What will be the output of the following code ?

```
#include<stdio.h>
int main()
{
char c,a,b;
c='f';
a='s';
b='x';
int sum=c+a+b;
printf("%d", sum);
}
```

1)

324

2)

315

3)

320

4)

337

Answer: 4

**Question 13**

Find the output of following pseudo code:

```
integer a=40, b = 35, c=20, d=10
```

Comment about the output of the following two statements:

```
print a*b/c-d
```

```
print a* b/(c-d)
```

1)

differ by 80

2)

same

3)

differ by 50

4)

differ by 160

Answer: 1

**Question 14**

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
int n=5, k ft, f2 f
```

```
if(n<2)
```

```
return n;
```

```
else
```

```
{
```

```
f1=12=1;
```

```
for(k=2;k<n;k++)
```

```
{
```

```
f = f1 +f2
```

```
f1 = f2;
```

```
f2 = f
```

```
}
```

1)

8

2)

5

3)

13

4)

7

Answer: 2

```
printf("%d",f);
}
}
```

Question 15  
What will be the output of the following pseudocode?

Integer a, b, c  
Set b=5, a 2c=2  
if(b>a && a>c && c>b)  
b=a+1  
Else  
a=b+1  
End if  
Print a+b+c

1) 2) 2)  
2 13  
3) 4)  
26 5  
Answer: 2

Question 16  
Find the output of following pseudo code:

```
int main()
{
int num=8;
printf("%d %d", num << 1, num >> 1);
return 0;
}
```

1) 2) 2)  
8 0 0 0  
3) 4)  
15 4 Error : cant perform operation  
Answer: 3

Question 17  
What would be the output of the following pseudocode? 2024/11/27

Integer i, j, k  
Set k=8  
for(each i from 1 to 1)  
for(each j from the value of i to 1)  
print k+1  
end for  
end for

1) 2) 2)  
2 9  
3) 4)  
7 8  
Answer: 2

Question 18  
integer a=60, b=35, c=-30

What will be the output of the following two statements:  
print (a> 45 OR b> 50 AND c>10)  
print ((a> 45 OR b>50) AND c > 10)

1) 2) 2)  
0 and 1 0 and 0  
3) 4)  
1 and 1 1 and 0  
Answer: 4

**Question 19**

\_\_\_\_\_ operator returns true, if any of the sub-condition is true.

- |    |     |    |      |
|----|-----|----|------|
| 1) | AND | 2) | OR   |
| 3) | NOT | 4) | NAND |

Answer: 2

**Question 20**

In which of the following cases inline functions may not work? i) If the function has static variables. ii) If the function has global and register variables. iii) If the function contain loops. iv) If the following is recursive.

- |    |             |    |            |
|----|-------------|----|------------|
| 1) | i, iv       | 2) | iii, iv    |
| 3) | ii, iii, iv | 4) | i, iii, iv |

Answer: 4

**Question 21**

Where should default parameters appear in a function prototype?

- |    |                                           |    |                                          |
|----|-------------------------------------------|----|------------------------------------------|
| 1) | To he rightmost due of the parameter list | 2) | To he leftmost due of the parameter list |
| 3) | Anywhere inside the parameter list        | 4) | Middle of the parameter list             |

Answer: 1

**Question 22**

When we define the default values for a function ?

- |    |                             |    |                                        |
|----|-----------------------------|----|----------------------------------------|
| 1) | When a function is declared | 2) | When a function is defined             |
| 3) | When a function is called   | 4) | When the scope of the function is over |

Answer: 2

**Question 23**

A labeled statement consist of an identifier followed by

- |    |   |    |   |
|----|---|----|---|
| 1) | ; | 2) | : |
| 3) | , | 4) | = |

Answer: 2

**Question 24**

Which of the following can be operands of arithmetic operators?

- |    |            |    |                           |
|----|------------|----|---------------------------|
| 1) | Numeric    | 2) | Boolean                   |
| 3) | Characters | 4) | Both Numeric & Characters |

Answer: 4

**Question 25**

Choose a syntax for C Ternary Operator from the list.

- |    |                                       |    |                                       |
|----|---------------------------------------|----|---------------------------------------|
| 1) | condition ? expression1 : expression2 | 2) | condition : expression1 ? expression2 |
| 3) | condition ? expression1 < expression2 | 4) | condition < expression1 ? expression2 |

Answer: 1

**Question 26**

An inline function is expanded during \_\_\_\_\_

- |    |                |    |            |
|----|----------------|----|------------|
| 1) | compile - time | 2) | run - time |
|----|----------------|----|------------|

- 3) never expanded  
4) end of the program

Answer: 1

Question 27

Which of the following feature is used in function overloading and function with default argument?

- 1) Encapsulation  
2) Polymorphism  
3) Abstraction  
4) Modularity

Answer: 2

Question 28

Choose a statement to use C if Else statement.

- 1) else if is compulsory to use with if statement  
2) else is compulsory to use with if statement  
3) else or else if is optional with if statement  
4) None of the above

Answer: 3

Question 29

The operator that takes two operators are called

- 1) Unary operator  
2) Binary operator  
3) ternary operator  
4) None of them

Answer: 2

Question 30

What is the result of logical or relational expressin in C?

- 1) True or False  
2) 0 or 1  
3) 0 if an expression is false and any positive number if an expression is true  
4) None of the mentioned

Answer: 2

Question 31

Switch statement accepts

- 1) int  
2) char  
3) long  
4) All of the above

Answer: 4

Question 32

What happens to a function defined inside a class without any complex operations (like looping, a large number of lines, etc)?

- 1) It becomes a virtual function of the class  
2) It becomes a default calling function of the class  
3) It becomes an inline function of the class  
4) The program gives an error

Answer: 3

Question 33

What is the output of the C program.?int main(){ int a=0; a=5>2 ? printf("4"):3;printf("%d",a); return0;}

- 1) compiler error  
2) 14  
3) 41  
4) 0

Answer: 3

Question 34

Which keyword can be used for coming out of recursion?

- |    |        |    |              |
|----|--------|----|--------------|
| 1) | return | 2) | break        |
| 3) | exit   | 4) | both A and B |

Answer: 1

Question 35

Modulus operator, %, can be applied to which of these?

- |    |                                            |    |                          |
|----|--------------------------------------------|----|--------------------------|
| 1) | Integers                                   | 2) | Floating - point numbers |
| 3) | Both Integers and floating - point numbers | 4) | None of the mentioned    |

Answer: 3

Question 36

Do logical operator in the language in the C language are evaluated with short circuit?

- |    |                         |    |                         |
|----|-------------------------|----|-------------------------|
| 1) | True                    | 2) | False                   |
| 3) | Depends on the compiler | 4) | Depends on the standard |

Answer: 1

Question 37

Using goto inside for loop is equivalent to using

- |    |          |    |                   |
|----|----------|----|-------------------|
| 1) | Continue | 2) | Break             |
| 3) | Return   | 4) | None of the above |

Answer: 4

Question 38

For loop in a C program, if the condition is missing?

- |    |                                                   |    |                                                   |
|----|---------------------------------------------------|----|---------------------------------------------------|
| 1) | it is assumed to be present and taken to be false | 2) | it is assumed to be present and taken to the true |
| 3) | it result in a syntax error.                      | 4) | execution will be terminated abruptly             |

Answer: 2

Question 39

which of the following s an invalid if-else statement>

- |    |                 |    |                 |
|----|-----------------|----|-----------------|
| 1) | if (if(a==1)){} | 2) | if(a){}         |
| 3) | if((char)(a)){} | 4) | if (func1(a)){} |

Answer: 1

Question 40

what will be the output of the following code?

```
void m(int k)
{
 printf("hi");
}
void m(double k)
```

- |    |                    |    |          |
|----|--------------------|----|----------|
| 1) | Compile time error | 2) | hi       |
| 3) | hello              | 4) | hi hello |

Answer: 2

```

{
printf("hello");

}

void main()
{

m(3);

}

```

**Question 41**

whenever a C program is executed ,execution starts from

- |                |               |
|----------------|---------------|
| 1)             | 2)            |
| Scanf function | Void function |
| 3)             | 4)            |
| Any function   | Main function |

Answer: 4

**Question 42**

It is necessary to declare the type of a function in the calling program if the function

- |                             |                                 |
|-----------------------------|---------------------------------|
| 1)                          | 2)                              |
| Both B and c                | is not defined in the same file |
| 3)                          | 4)                              |
| Returns a non-integer value | None                            |

Answer: 3

**Question 43**

Multiple Choice ( Select 1 out of 4 options, for the question below. )

**C allows the user to use**

- |                         |                         |
|-------------------------|-------------------------|
| 1)                      | 2)                      |
| One-dimensional array   | Two-dimensional array   |
| 3)                      | 4)                      |
| Three-dimensional array | Multi-dimensional array |

Answer: 4

**Question 44**

what will be the output of the following java program?

```

Class Modulus{

public static void main(String args[])
{
 double a=25.64;
 int b=25;
 a=a%10;
 b=b%10;
 System.out.println(a+" "+b);
}
}

```

- |                     |                       |
|---------------------|-----------------------|
| 1)                  | 2)                    |
| 5.640000000000001 5 | 5.640000000000001 5 0 |
| 3)                  | 4)                    |
| 5 5                 | 5 5.640000000000001   |

Answer: 1

**Question 45**

Multiple Choice ( Select 1 out of 4 options, for the question below. )

do-while loop terminals when conditional expression returns?

- |           |                   |
|-----------|-------------------|
| 1)        | 2)                |
| One       | Zero              |
| 3)        | 4)                |
| Non- zero | None of the above |

Answer: 2

Question 46

No of values function can return

- |    |    |
|----|----|
| 1) | 2) |
| 2  | 1  |
| 3) | 4) |
| 3  | 0  |

Answer: 2

Question 47

what is the output of a Logical OR() operation if one of the inputs/operands is false?

- |               |      |
|---------------|------|
| 1)            | 2)   |
| false         | true |
| 3)            | 4)   |
| true or false | None |

Answer: 3

Question 48

what is the output of the Java code snippet?

```
boolean b=false;
b=!b;
```

```
System.out.println(b);
```

- |                   |       |
|-------------------|-------|
| 1)                | 2)    |
| true              | false |
| 3)                | 4)    |
| Compilation error | None  |

Answer: 1

Question 49

Multiple Choice ( Select 1 out of 4 options, for the question below. )

c = (n) ? a : b; can be rewritten as exp1 ? exp2 : exp3;

- |                           |                            |
|---------------------------|----------------------------|
| 1)                        | 2)                         |
| if(n){c = a;}else{c = b;} | if(!n){c = a;}else{c = b;} |
| 3)                        | 4)                         |
| if(n){c = b;}else{c = a;} | None of the above          |

Answer: 1

Question 50

The function that actually created from a call to a template function is called

- |           |                  |
|-----------|------------------|
| 1)        | 2)               |
| Generated | Inherited        |
| 3)        | 4)               |
| Spawned   | All of the above |

Answer: 3

Question 51

If switch feature is used, then

- |                                               |                                           |
|-----------------------------------------------|-------------------------------------------|
| 1)                                            | 2)                                        |
| Default case must be present                  | Default, if used, should be the last case |
| 3)                                            | 4)                                        |
| Default case, if used, can be placed anywhere | None                                      |

Answer: 2

Question 52

which among the following is a Short Circuit OR operator?

- |    |    |
|----|----|
| 1) | 2) |
| &  |    |
| 3) | 4) |
| && |    |

Answer: 4

Question 53

Multiple Choice ( Select 1 out of 4 options, for the question below. )

- |          |       |
|----------|-------|
| 1)       | 2)    |
| 1 ,2 & 3 | 1 & 4 |

With  $x = 0$ , which of the following are legal lines of Java code for changing the value of  $x$  to 1?

1. $x++;$

2. $x=x/1;$

3. $x+=1;$

4. $x=/1;$

- 3)  
1, 2, 3 & 4

- 4)  
3 & 2

Answer: 4

Question 54

Decrement operator,  $--$ , decreases the value of variable by what number?

- 1)  
2)  
3)  
4)  
3  
4

Answer: 1

Question 55

Assume the output of the following code:

```
void main()
```

```
{
```

```
static int x;
```

```
if(x++ < 2)
```

```
main();
```

```
}
```

- 1)  
2)  
No output  
main() ids called twice  
3)  
4)  
Run Time Error  
Varies

Answer: 2

Question 56

In mathematics and computer programming, which is the correct order of mathematical operator?

- 1)  
2) Division, Multiplication,  
Addition, Subtraction  
Addition, Subtraction  
Multiplication, Division  
3)  
4)  
Multiplication, Addition,  
Division, Subtraction  
Addition, Division, Modulus,  
Subtraction

Answer: 2

Question 57

How long the following loop runs? For( $x=0$ ;  $x=3$ ;  $x++$ )

- 1)  
2)  
Three times  
Four times  
3)  
4)  
Forever  
Never

Answer: 3

Question 58

Multiple Choice ( Select 1 out of 4 options for the question below )

A pointer variable can be

- 1)  
2)  
Passed to a function  
Changed within a function  
3)  
4)  
Returned by a function  
Can be assigned an integer  
value

Answer: 2

Question 59

- 1)  
2)

|                                                                |                                                               |                                                         |
|----------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------|
| It is not advisable to use macros instead of functions because | it increases the code size<br>3)<br>recursion is not possible | no type checking will be done<br>4)<br>All of the above |
| Answer: 4                                                      |                                                               |                                                         |

|                                                                      |           |                       |
|----------------------------------------------------------------------|-----------|-----------------------|
| Question 60                                                          | 1)<br>AND | 2)<br>OR Exclusive OR |
| Multiple Choice ( Select 1 out of 4 options for the question below ) | 3)<br>Not | 4)<br>All of them     |
| Which of the operations are supported by PHP?                        | Answer: 4 |                       |

|                                                              |                                                                                          |              |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------|
| Question 61                                                  | 1)<br>True or False                                                                      | 2)<br>0 or 1 |
| what is the result of logical or relational expression in C? | 3)<br>0 if an expression is false and<br>any positive number if an<br>expression is true | 4)<br>None   |
| Answer: 2                                                    |                                                                                          |              |

|                                                                      |                                     |                     |
|----------------------------------------------------------------------|-------------------------------------|---------------------|
| Question 62                                                          | 1)<br>Declared                      | 2)<br>Initialized   |
| Multiple Choice ( Select 1 out of 4 options for the question below ) | 3)<br>Both declared and Initialized | 4)<br>none of these |
| Prior to using a pointer variable it should be                       | Answer: 3                           |                     |

|                                                  |           |           |
|--------------------------------------------------|-----------|-----------|
| Question 63                                      | 1)<br>5 1 | 2)<br>0 3 |
| what will be the output of the following C code? | 3)<br>5 3 | 4)<br>1 1 |
| #include<stdio.h>                                |           |           |
| int main()                                       | Answer: 1 |           |
| {                                                |           |           |
| int a=10, b=5, c=3;                              |           |           |
| b!=!a;                                           |           |           |
| c=!!a;                                           |           |           |
| printf("%d\t%d", b, c);                          |           |           |
| }                                                |           |           |

|                                                                      |            |                 |
|----------------------------------------------------------------------|------------|-----------------|
| Question 64                                                          | 1)<br>int  | 2)<br>double    |
| Multiple Choice ( Select 1 out of 4 options for the question below ) | 3)<br>char | 4)<br>No output |
| What will be the data type returned for the following C function?    | Answer: 1  |                 |
| #include                                                             |            |                 |
| int func()                                                           |            |                 |
| {                                                                    |            |                 |
| return (double)(char)5.0;                                            |            |                 |
| }                                                                    |            |                 |

**Question 65**

Assume the output of the following code:

```
void my =show(int *); 1) 2)
 10 30 20 20
 3) 4)
 10 10 10 20
void main() Answer: 4
{
int a=10;
printf("%d",a);
myshow(&a);
printf("%d",a);
}
void my show(int *k)
{
*k=20;
}
```

**Question 66**

Multiple Choice ( Select 1 out of 4 options for the question below )

|                                                                           |                            |                            |
|---------------------------------------------------------------------------|----------------------------|----------------------------|
| Do logical operations in C language are evaluated with the short circuit? | 1) True                    | 2) False                   |
|                                                                           | 3) Depends on the compiler | 4) Depends on the standard |

Answer: 1

**Question 67**

what is the output of the C program?

```
int main()
{
if(TRUE)
{
print("India\n");
}
if(true)
{
printf(Honey\n");
}
printf("ZING");
return 0;
}
```

|       |               |
|-------|---------------|
| 1)    | 2)            |
| India | Honey         |
| ZING  | ZING          |
| 3)    | 4)            |
| India | Compile error |
| Honey |               |
| ZING  |               |

Answer: 4

**Question 68**

Multiple Choice ( Select 1 out of 4 options for the question below )

|                                  |              |            |
|----------------------------------|--------------|------------|
| What is the output of C program? | 1) 1 2 3 4 5 | 2) 1 2 3 4 |
|                                  | 3) 4)        |            |
|                                  | 6            | 5          |

```
int main()
```

Answer: 3

```
{
```

```
int k;
```

```
for(k=1;k <=5;k++)
```

```
{
```

```
printf("%d",k);
```

```
}
```

```
return 0;
```

```
}
```

#### Question 69

choose a correct option regarding C comparison Operators.

1)

$(x==y)$  Is x really equal to y.

2)

$(x < y)$  Is x less than y

$(x \neq y)$  Is x not equal to y.

$(x > y)$  Is x greater than y

3)

$(x \leq y)$  Is x less than or equal to y

4)

All of the above

$(x \geq y)$  Is x greater than or equal to y

Answer: 4

#### Question 70

Multiple Choice ( Select 1 out of 4 options for the question below )

Choose a correct C statement

1)

$a++$  is  $(a=a+1)$  POST INCREMENT Operator

2)

$a--$  is  $(a=a-1)$  POST DECREMENT Operator

3)

$++a$  is  $(a=a+1)$  Pre INCREMENT Operator

4)

All the above

Answer: 4

#### Question 71

If you have to make decision based on multiple choices, which of the following is best suited?

1)

if

2)

if-else

3)

if-else-if

4)

All of the above

Answer: 3

#### Question 72

Multiple Choice ( Select 1 out of 4 options for the question below )

Are logical operator sequence points?

1)

True

2)

False

3)

Depends on the compiler

4)

Depends on the standard

Answer: 1

#### Question 73

What is the output of C Program ?

1)

32

2)

33

3)

30

4)

No output

Answer: 1

```
int main()
{
 int a=32;
 do
 {
 printf("%d",a);
 a++;
 }while(a<=30);
 return 0;
}
```

Question 74

No of values function can return

- |    |    |
|----|----|
| 1) | 2) |
| 2  | 1  |
| 3) | 4) |
| 3  | 0  |

Answer: 2

Question 75

Which among the following is a Short Circuit OR operator ?

- |    |    |
|----|----|
| 1) | 2) |
| &  | && |
| 3) | 4) |
|    |    |

Answer: 4

Question 76

Which of the following is an invalid if-else statement ?

- |                    |                  |
|--------------------|------------------|
| 1)                 | 2)               |
| if (if (a == 1)){} | if (a){}         |
| 3)                 | 4)               |
| if ((char) a){}    | if (func1 (a)){} |

Answer: 1

Question 77

With x=0, which of the following are legal lines of Java code for changing the value of x to 1?

- |             |       |
|-------------|-------|
| 1)          | 2)    |
| 1, 2 & 3    | 1 & 4 |
| 3)          | 4)    |
| 1, 2, 3 & 4 | 3 & 2 |

advertisement

Proton Cancer Treatment

Answer: 1

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See More

1. x++;
2. x = x + 1;
3. x += 1;
4. x =+ 1;

Question 78

what will be the output of the following code?

- |                    |          |
|--------------------|----------|
| 1)                 | 2)       |
| Compile time error | hi       |
| 3)                 | 4)       |
| hello              | hi hello |

Answer: 2

```
void m(int k)
{
printf("hi");
}
void m(double k)
{
printf("hello");
}
void main()
{
m(3);
}
```

Question 79

do-while loop terminates when conditional expression returns ?

- |    |           |    |                   |
|----|-----------|----|-------------------|
| 1) | One       | 2) | Zero              |
| 3) | None-zero | 4) | None of the above |

Answer: 2

Question 80

Types of function in C language

- |    |                       |    |                   |
|----|-----------------------|----|-------------------|
| 1) | Library Function      | 2) | Both A and C      |
| 3) | User defined function | 4) | None of the above |

Answer: 2

Question 81

What is the output of C program ?

```
int main()
{
int a=5;
while(a==123)
{
printf("RABBIT\n");
break;
}
printf("GREEN");
return 0;
}
```

- |    |                                             |    |                |
|----|---------------------------------------------|----|----------------|
| 1) | GREEN                                       | 2) | RABBIT         |
| 3) | RABBIT is printed unlimited number of times | 4) | Compiler error |

Answer: 1

Question 82

Modulus operator, %, can be applied to which of these ?

- |    |                                             |    |                           |
|----|---------------------------------------------|----|---------------------------|
| 1) | Integers                                    | 2) | Floating -- point numbers |
| 3) | Both Integers and floating -- point numbers | 4) | None of the mentioned     |

Answer: 3

Question 83

What is the output of the Java code snippet ?

```
boolean b=false;
b=!b;
System.out.println(b);
```

- |    |                |    |                   |
|----|----------------|----|-------------------|
| 1) | true           | 2) | false             |
| 3) | Compiler error | 4) | None of the above |

Answer: 1

Question 84

For loop in a C program, if the condition is missing ?

- |    |                                                   |    |                                                  |
|----|---------------------------------------------------|----|--------------------------------------------------|
| 1) | it is assumed to be present and taken to be false | 2) | it is assumed to be present and taken to be true |
|----|---------------------------------------------------|----|--------------------------------------------------|

- 3) it result in a syntax error  
4) execution will be terminated abruptly

Answer: 2

#### Question 85

What is the output of C program ?

```
int main()
{
 int a=25;
 while(a<=27)
 {
 printf("%d",a);
 a++;
 }
 return 0;
}
```

- 1) 25 25 25  
2) 25 26 27  
3) 27 27 27  
4) Compiler error

Answer: 2

#### Question 86

Assume the output of the following code:

```
#include <stdio.h>
enum m{JAN, FEB, MAR};
enum m foo();
int main()
{
enum m i=foo();
printf("%d\n",i);
}
int foo()
{
return JAN;
}
```

- 1) Compile time error  
2) Runtime error  
3) 1  
4) 0

Answer: 1

#### Question 87

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

```
#include <iostream>
using namespace std;
int fun(int=0, int=0);
int main(){
cout << fun(5);
return 0;
}
int fun(int x, int y){
return (x + y);
}
```

- 1) -5  
2) 0  
3) 10  
4) 5

Answer: 4

#### Question 88

Which among the following is a logical Unary NOT operator in Java ?

- 1) ~  
2) !  
3) #  
4) ^

Answer: 2

#### Question 89

What happens to the Second operand / expression if the first operand is FALSE with a Short Circuit AND (&&) operator ?

- 1) Second operand / expression is evaluated and AND is applied.  
2) Evaluation of second operand / expression is skipped.  
3)  
4)

The compiler starts taking more memory.

The compiler starts taking more CPU power.

Answer: 1

Question 90

The function that actually created from a call to a template function is called

- |    |                  |    |           |
|----|------------------|----|-----------|
| 1) | Spawned          | 2) | Inherited |
| 3) | All of the above | 4) | Generated |

Answer: 1

Question 91

Will the following program run successfully?

```
int main()
{
int n=5;
printf("n=%*d\n", n, n);
return 0;
}
```

- |    |               |    |              |
|----|---------------|----|--------------|
| 1) | Yes           | 2) | No           |
| 3) | Compile error | 4) | Syntax error |

Answer: 1

Question 92

Select the output of this program:

```
#include<stdio.h>
#include<stdlib.h>
int main(void)
{
char x='A'
char*y=(char*)malloc(sizeof(char));
y=&x;
for (int i = 0;i<26;i++){
printf("%c", x);
y[0]+=1;
}
}
```

- |    |                           |    |                     |
|----|---------------------------|----|---------------------|
| 1) | SDKJNSDNSKDJNSKDVNSKJD    | 2) | SLKFVMSLFVSFLALKDJF |
| 3) | ABCDEFHIJKLMNOPQRSTUVWXYZ | 4) | None of the above   |

Answer: 3

Question 93

Find the error, if any, in the following program:

```
/* Assume there is a file called 'file.c' in c\tc\directory.*/
int main()
{
FILE*fp;
fp=fopen("c:\tc\file.c","r");
if(!fp)
printf("UNable to open file:");

fclose(fp);
return 0;
}
```

- |    |                             |    |                             |
|----|-----------------------------|----|-----------------------------|
| 1) | No error, No output         | 2) | Program crashes at run time |
| 3) | Output: Unable to open file | 4) | None of the above           |

Answer: 1

Question 94

What will be the output of the following program?

- |    |                   |    |                   |
|----|-------------------|----|-------------------|
| 1) | 11 2 5            | 2) | 11 3 5            |
| 3) | Compilation Error | 4) | None of the above |

Answer: 1

```

class Demo{
public static void main(String[] args)
arr.add(1);
arr.add(2);
arr.add(3);
arr.add(5);
arr.add(7);
arr.remove(new Integer(7));
arr.remove(2);
for(int i=0;i<arr.size();i++)
System.out.print(arr.get(i)+"");
}
}

```

#### Question 95

Which of the following scanf() statement will you use to scan a and b?

```

float a;
double b;

```

- |    |                        |    |                       |
|----|------------------------|----|-----------------------|
| 1) | scanf("%Lf%Lf",&a,&b); | 2) | scanf("%f%Lf",&, &b); |
| 3) | scanf("%f%lf",&a,&b);  | 4) | scanf("%f%f",&a,&b);  |

Answer: 3

#### Question 96

Which of the statement is true for the following program?

```

int main()
{
FILE *fptr;
char str[80];
fptr=fopen("f1.dat","w");
if(fptr==NULL)
printf("Cannot open file");
else
{
while(strlen(gets(str))>0)
{
fputs(str,fptr);
fputs("\n",fptr);
}
fclose(fptr);
}
return 0;
}

```

- |    |                                                    |    |                                                                   |
|----|----------------------------------------------------|----|-------------------------------------------------------------------|
| 1) | The code copies the content of one file to another | 2) | The code writes strings that are read from the keyboard into file |
| 3) | The code reads a file                              | 4) | None of the above                                                 |

Answer: 2

#### Question 97

What will be the output: int main()

```

{
FILE *fp;
char clt, str[7];
fp=fopen("try.c","r");/*file 'try.c' contains "This is Nagpur"
*/
fseek(fp,9L,SEEK_CUR);
fgets(str,5,fp);
puts(str);
return 0;
}

```

- |    |      |    |       |
|----|------|----|-------|
| 1) | gpur | 2) | agpur |
| 3) | Nagp | 4) | agpu  |

Answer: 2

#### Question 98

Select the output of 'file.c' after the execution of the following program:

- |    |     |    |       |
|----|-----|----|-------|
| 1) | B   | 2) | A B   |
| 3) | B B | 4) | Error |

Answer: 2

```
int main()
{
FILE*fp1, *fp2;
fp1=fopen("file.c", "w");
fp2=fopen("file.c", "w");
fputc('A',fp1);
fputc('B',fp2);
fclose(fp1);
fclose(fp2);
return 0;
}
```

#### Question 99

To print out a and b given below, which of the following printf() statement will you use?

```
float a=3.14;
double b=3.14;
```

- |    |                       |    |                        |
|----|-----------------------|----|------------------------|
| 1) | printf("%f%lf", a, b) | 2) | printf("%Lf%f", a, b)  |
| 3) | printf("%f%Lf", , b)  | 4) | printf("%Lf%Lf", a, b) |

Answer: 1

#### Question 100

If the following program contains a line "Be my Friend" in the 'source.txt' then what will be the output?

- |    |        |    |       |
|----|--------|----|-------|
| 1) | Friend | 2) | fren  |
| 3) | end    | 4) | Error |

Answer: 3

#### Question 101

Which statement is used to close the IF block?

- |    |        |    |      |
|----|--------|----|------|
| 1) | ELSEIF | 2) | ELSE |
| 3) | ENDIF  | 4) | END  |

Answer: 3

#### Question 102

Point out the error in the following code:

```
int main()
{
unsigned char:
FILE *fp;
fp=fopen("trial","r");
if(!fp)
{
print("Unable to open file");
exit(1);
}
fclose(fp);
return 0;
}
```

- |    |                             |    |                                   |
|----|-----------------------------|----|-----------------------------------|
| 1) | Error; unknown file pointer | 2) | Error: in unsigned char statement |
| 3) | No error                    | 4) | None of the above                 |

Answer: 1

### Question 103

Consider address of x as 62fe14 and identify the output:

```
#include<stdio.h>
int main(void)
{
int a=100;
char*x=(char*)&a;
char**y=&x;
y[0]=(char*)0x62fe14;
printf("%x\n",x);
printf("%x",y);
}
```

1)

0x62fe14 0x62fe14

2)

0x62fe14 0x62fe15

3)

Crash

4)

0x00 10 0x1902

Answer: 1

### Question 104

Pick the correct statement for the following program;

```
int main()
{
FILE *fp;
char str[11], ch;
int i=0;
fp=fopen("INPUT.TXT", "r");
while((ch=getc(fp))!=EOF)
{
if(ch=='\n' || ch == ' ')
{
str[i]='\0';
strrev(str);
printf("%s",str);
i=0;
}
else
str[i++]=ch;
}
fclose(fp);
return 0;
}
```

1)

The code reads a text files and display its context in reverse order

2)

The code writes a text to a file in reverse order

3)

The code writes a text to a file

4)

None of the above

Answer: 1

### Question 105

Which of the following statements instructs the computer to get value from an input device and store it in a memory location?

1)

read

2)

READ

3)

write

4)

WRITE

Answer: 2

### Question 106

What will be printed after the execution of this pseudocode?

```
#include<stdio.h>
int main(void)
{
int a=(int)0b01001011;
int*b=&a;
int n[10]={ (int)0b010110, 17, -4, -13, 19, -19, 10,
(int)0b11110110};
for (int i=0;i<9;i++){
printf("%c",b[0]);
b[0]+=n[i];
}
}
```

1)

karnataka

2)

kerala

3)

Kerala

4)

Karnataka

Answer: 4

### Question 107

A file contains the line "I am a man\r\n" then on reading this line into the array str using fgets(). What will str contain?

1)

"I am a man\r\n()

2)

"I am a man\r\nr\\()

- 3) "I am a man"  
4) "I am a man\r\n\0"

Answer: 2

Question 108  
Select the alternate notation for exponentiation.

- 1)  
\*\*  
3)  
\*\*\*  
2)  
\*  
4)  
\*^

Answer: 1

Question 109  
Multiple Choice ( Select 1 out of 4 options, for the question below. )

- 1)  
5 1  
3)  
5 3  
2)  
0 3  
4)  
1 1

What will be the output of the following code?

```
#include<stdio.h>
```

Answer: 1

```
int main()
```

```
{
```

```
int a=10,b=5,c=3;
```

```
b !=a;
```

```
c =!!a;
```

```
printf("%d\t%d". b.c);
```

```
}
```

Question 110  
Multiple Choice ( Select 1 out of 4 options, for the question below. )

How long the following loop runs? For(x=0;x=3;x++)

- 1)  
Three times  
2)  
Four times  
3)  
Forever  
4)  
Never

Answer: 3

Question 111  
choose correct statement regarding C Comparison Operators

- 1)  
(x==y) Is x really equal to y  
2)  
(x<y) Is x less than y  
(x!=y) Is x not equal to y  
(x>y) Is x greater than y

- 3)  
(x<=y) Is x less than or equal to y  
4)  
All of the above  
(x>=y) Is x greater than or equal to y

Answer: 4

Question 112  
what will be the data type returned for the following C dunctions?

```
#include
```

```
int func()
```

```
{
```

- 1)  
int  
2)  
double  
3)  
char  
4)  
No output

Answer: 1

```
return (double)(char)5.0;
}
```

**Question 113**

Multiple Choice ( Select 1 out of 4 options, for the question below. )

What is the result of logical or relational expression in C?

- |    |                                                                                    |                             |
|----|------------------------------------------------------------------------------------|-----------------------------|
| 1) | True or False                                                                      | 2)<br>0 or 1                |
| 3) | 0 if an expression is false and<br>any positive number if an<br>expression is true | 4)<br>None of the mentioned |

Answer: 2

**Question 114**

It is not advisable to use macros instead of functions because

- |    |                            |                                     |
|----|----------------------------|-------------------------------------|
| 1) | it increases the code size | 2)<br>no type checking will be done |
| 3) | recursion is not possible  | 4)<br>All of the above              |

Answer: 4

**Question 115**

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Do logical operations in C language are evaluated with the short circuit?

- |    |                         |                               |
|----|-------------------------|-------------------------------|
| 1) | True                    | 2)<br>False                   |
| 3) | Depends on the compiler | 4)<br>Depends on the standard |

Answer: 1

**Question 116**

Prior to using a pointer variable it should be

- |    |                               |                   |
|----|-------------------------------|-------------------|
| 1) | Declared                      | 2)<br>Initialized |
| 3) | Both declared and Initialized | 4)<br>None        |

Answer: 3

**Question 117**

Multiple Choice ( Select 1 out of 4 options, for the question below. )

What is the output of C Program?

```
int main()
```

```
{

 int k;

 for(k=1;k<=5;k++)

 {

 printf("%d",k);

 }

 return 0;
}
```

- |    |           |               |
|----|-----------|---------------|
| 1) | 1 2 3 4 5 | 2)<br>1 2 3 4 |
| 3) | 6         | 4)<br>5       |

Answer: 3

**Question 118**

Choose a correct C statement

- |    |                                           |                                                 |
|----|-------------------------------------------|-------------------------------------------------|
| 1) | a++ is (a=a+1) POST<br>INCREMENT Operator | 2)<br>a-- is (a=a-1) POST DECREMENT<br>Operator |
|----|-------------------------------------------|-------------------------------------------------|

--a is (a=a-1) PRE DECREMENT  
Operator

- 3) ++a is (a=a+1) PRE INCREMENT  
Operator
- 4) All the above

Answer: 4

Question 119

Assume the output of the following code:

```
void main()
{
static int x;
if(x++ < 2)
main();
}
```

- 1) No output
- 2) main is called twice
- 3) Run time error
- 4) varies

Answer: 2

Question 120

Are logical operator sequence oints?

- 1) True
- 2) False
- 3) Depends on the compiler
- 4) Depends on the standard

Answer: 1

Question 121

Multiple Choice ( Select 1 out of 4 options, for the question below. )

- 1) 10 30
- 2) 20 20
- 3) 10 10
- 4) 10 20

Assume the output of the following code:

```
void myshow(int *)
void main()
{
int a=10;
printf("%d",a);
myshow(&a);
printf("%d",a);
}
void myshow(int *k)
{
*k=20;
}
```

Answer: 4

Question 122

Multiple Choice ( Select 1 out of 4 options, for the question below. )

A pointer variable can be

- 1) Passed to a function
- 2) Changed within a function
- 3) Returned by a function
- 4)

Can be assigned an integer value

Answer: 2

Question 123

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Which of the following operations are supported by PHP?

1) AND

2) OR Exclusive OR

3) Not

4) All of them

Answer: 4

Question 124

what is the output of the C program?

```
int main()
```

1) India

2) Honey

```
{
```

3) India

4) Compile error

```
{
```

Honey

```
printf("India\n");
```

ZING

```
}
```

Answer: 4

```
if(true)
```

```
{
```

```
printf("Honey\n");
```

```
}
```

```
printf("ZING");
```

```
return 0;
```

```
}
```

Question 125

If you have to make decision based on multiple choices, which of the following is best suited?

1) if

2) if-else

3) if-else-if

4) All of the above

Answer: 3

Question 126

Multiple Choice ( Select 1 out of 4 options, for the question below. )

In mathematics and computer programming, which is the correct order of mathematical operator?

1)

Addition, Subtraction,  
Multiplication, Division

2)

Division, Multiplication,  
Addition, Subtraction

3)

Multiplication, Addition,  
Division, Subtraction

4)

Addition, Division,  
Modulus,Subtraction

Answer: 2

Question 127

Multiple Choice ( Select 1 out of 4 options, for the question below. )

1)

Character

2)

Integer

3)

Float

4)

enum

Which of the following cannot be checked in a switch-case statement?

Answer: 3

Question 128

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Which of the following is not logical operator?

- |    |    |
|----|----|
| 1) | 2) |
| &  | && |
| 3) | 4) |
|    |    |

Answer: 1

Question 129

which for loop has range of similar indexes of 'i' used in for( i=0 ; i<n ; i++ )?

- |                           |                            |
|---------------------------|----------------------------|
| 1)                        | 2)                         |
| for (i=n;i>0;i--)         | for (i=n;i>=0;i--)         |
| 3)                        | 4)                         |
| for ( i=n-1 ; i>0 ; i-- ) | for ( i=n-1 ; i>-1 ; i-- ) |

Answer: 4

Question 130

In C parameters are always

- |                                                                                |                        |
|--------------------------------------------------------------------------------|------------------------|
| 1)                                                                             | 2)                     |
| Passed by value                                                                | Passed by reference    |
| 3)                                                                             | 4)                     |
| Non-pointer variables are passed by value and pointers are passed by reference | Passed by value result |

Answer: 3

Question 131

Multiple Choice ( Select 1 out of 4 options, for the question below. )

How many times the program will print "Hello"?

```
Int main() {
 print("Hello");
 main();
 return 0
}
```

- |                |                      |
|----------------|----------------------|
| 1)             | 2)                   |
| Infinite times | 32767 times          |
| 3)             | 4)                   |
| 65535 times    | Till stack overflows |

Answer: 4

Question 132

what is the limit for number of functions in a C program?

- |    |          |
|----|----------|
| 1) | 2)       |
| 16 | 32       |
| 3) | 4)       |
| 31 | No limit |

Answer: 4

Question 133

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Do logical operators in the C language are evaluated with the short circuit?

- |                         |                         |
|-------------------------|-------------------------|
| 1)                      | 2)                      |
| true                    | false                   |
| 3)                      | 4)                      |
| Depends on the compiler | Depends on the standard |

Answer: 1

Question 134

Multiple Choice ( Select 1 out of 4 options, for the question below. )

- |    |    |
|----|----|
| 1) | 2) |
| 1  | 2  |

Decrement operator, `a=a--` decreases the value of variable by what number?

3)

3

4)

4

Answer: 1

### Question 135

Which of these statements are incorrect?

1)

Assignment operators are more efficiently implemented by java run-time system than their equivalent long forms

2)

Assignment operators run faster than their equivalent long forms

3)

Assignment operators can be used only with numeric and character data type

4)

None

Answer: 4

### Question 136

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Choose a correct statement about C function?

```
void main() {
 print("Hello");
}
```

1)

"main" is the name of default must and should Function

2)

main() is same as int main()

3)

By default return 0 is added as the last statement of a function without specific return type

4)

All the above

Answer: 4

### Question 137

output of the following code?

```
include <stdio.h>

void dynamic(int s,...)
{
 print("%d",s);
}

int main()
{
 dynamic(2,4,6,8);
 dynamic(3,6,9);
 return 0;
}
```

1)

2 3

2)

compile error

3)

4 3

4)

3 2

Answer: 1

### Question 138

Multiple Choice ( Select 1 out of 4 options, for the question below. )

an 8 byte long data type be automatically type cast to 4 byte float data type?

1)

true

2)

false

3)

Can be true or false

4)

Can not say

Answer: 1

### Question 139

Output of the following code?

1)

Address of main function

2)

Compile error

```
#include<stdio.h>
int main()
{
 printf("%d",main);
 return 0;
}
```

Question 140

Multiple Choice ( Select 1 out of 4 options, for the question below. )

which of the following operations are supported by PHP?

- |    |                 |    |             |
|----|-----------------|----|-------------|
| 1) | AND             | 2) | NOT         |
| 3) | OR Exclusive OR | 4) | All of them |

Answer: 4

Question 141

The C code 'for(;;)' represents an infinite loop. It can be terminated by\_\_\_\_\_

- |    |         |    |           |
|----|---------|----|-----------|
| 1) | break   | 2) | exit(0)   |
| 3) | abort() | 4) | terminate |

Answer: 1

Question 142

Multiple Choice ( Select 1 out of 4 options, for the question below. )

What is the other name for C Language ?: Question Mark Colon Operator ?

- |    |                      |    |                  |
|----|----------------------|----|------------------|
| 1) | Comparision Operator | 2) | If-Els Operator  |
| 3) | Binary OPerator      | 4) | Ternary Operator |

Answer: 4

Question 143

what is result after execution of the following code is as is 10, b is 5 and c is 10?

```
if((a>b) && (a<=c))
```

```
a=a+1;
```

```
else
```

```
c=c+1;
```

- |    |           |    |           |
|----|-----------|----|-----------|
| 1) | a=10,c=10 | 2) | a=11,c=10 |
| 3) | a=10,c=11 | 4) | a=11,c=11 |

Answer: 2

Question 144

Multiple Choice ( Select 1 out of 4 options, for the question below. )

Choose a statement to use C If Else statement

- |    |                                                |    |                                             |
|----|------------------------------------------------|----|---------------------------------------------|
| 1) | ekse if is compulsory to use with if statement | 2) | else is compulsory to use with if statement |
| 3) | else or else if is optional with if statement  | 4) | None of the above                           |

Answer: 3