DIRECTIONS for the question: Mark the best option:

What will be the output of following Code Snippets?

```
#include <stdio.h>
int main()
char c[] = "ABA";
int i;
for (i = 0; c[i]; i++) {
printf("%c%c%c%c", c[i], *(c + i), *(i+c), i);
}
return (0);
}
```

AAAABBBBAAAA

Compile Time Error

ABA

AABBAA

DIRECTIONS for the question: Mark the best option:

The correct way to declare and assign a function pointer is done by:

(Assuming the function to be assigned is "int multi(intt int);")

int (*fn_ptr)(int, int) = multi,

int *fn_ptr(int, int) = multi;

int *fn_ptr(int) = multi,

Both (b) & (c)

DIRECTIONS for the question: Mark the best option:

What will be displayed when the following code is executed?

```
*include
class CustomerData
```

```
{
public: CustomerData()
{
Cout<<"Default Constructor"<
};
int main (int argc, char** argv)
{
CustomerData * poCustomerData;
poCustomerData = new CustomerData;
cout<<"CustomerData Class pointer created"<
return 0;
};<>
```

Default Constructor

Default Constructor CustomerData Class pointer created

Nothing is displayed

CustomerData Class pointer created

DIRECTIONS for the question: Mark the best option:

```
*include
int *i;
int main()
{
if (i ==NULL)
printf("true \n”);
return 0;
}
```

true

true only if NULL value is 0

Compile time error

Nothing

DIRECTIONS for the question: Mark the best option:

What is the output of this C code?

```
#include
void fun(char *k)
{
printf(" %s", k);
}
void main()
{
char s[]= "hello";
fun(s);
}
```

hello

Run time error

Nothing

h

DIRECTIONS for the question: Mark the best option:

What Will Be The Output Of The Following Code Snippet?

```
classPerson:
def __init__(self,id):
self.id= id
sam__dict__['age']=49
print(sam.age+len(sam.__dict__))
```

1

51

49

50

DIRECTIONS for the question: Mark the best option:

What will be the output of following java code?

```
import java. util.*;
public class genericstack
{
Stack stk = new Stack ();
public void push(E obj)
{
stk.push(obj);
}
public E pop()
{
E obj = stk.pop();
return obj;
}
}
class Output
{
public static void main(String args[])
{
genericstack gs = new genericstack();
gs.push("Hello");
System. out. println(gs. pop());
}
```

Compile time error

Runtime error

H

None of the above

DIRECTIONS for the question: Mark the best option:

Which of the following statements are correct about the program below?

```
#include
int main()
{
int size, i;
scanf("%d", &size);
int arr[size];
for(i=l; i<=size; i++)
{
scanf("%d", arr[i]);
printf("%d", arr[il);
}
retum 0;
}
```

The code is correct and runs successfully.

The code is erroneous since the statement declaring array is invalid.

The code is erroneous since the subscript for array used in for loop is in the range 1 to size.

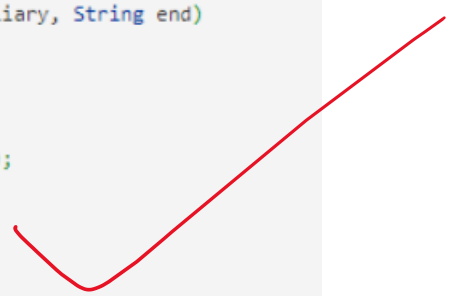
The code is erroneous since the values of array are getting scanned through the loop.

DIRECTIONS for the question: Mark the best option:

Select the appropriate code for the recursive Tower of Hanoi problem. (n is the number of disks)

A

```java
public void solve(int n, String start, String auxiliary, String end)
{
        if (n == 1)
        {
            System.out.println(start + " -> " + end);
        }
        else
        {
            solve(n - 1, start, end, auxiliary);
            System.out.println(start + " -> " + end);
            solve(n - 1, auxiliary, start, end);
        }
}
```



```java
public void solve(int n, String start, String auxiliary, String end)
{
        if (n == 1)
        {
            System.out.println(start + " -> " + end);
        }
        else
        {
            solve(n - 1, auxiliary, start, end);
            System.out.println(start + " -> " + end);
        }
}
```

```java
public void solve(int n, String start, String auxiliary, String end)
{
        if (n == 1)
        {
            System.out.println(start + " -> " + end);
        }
        else
        {
            System.out.println(start + " -> " + end);
            solve(n - 1, auxiliary, start, end);
        }
}
```

```
public void solve(int n, String start, String auxiliary, String end)
{
        if (n == 1)
        {
            System.out.println(start + " -> " + end);
        }
        else
        {
            solve(n - 1, start, end, auxiliary);
            System.out.println(start + " -> " + end);
        }
}
```

DIRECTIONS for the question: Mark the best option:

What will be the output of this code

g = lambda x: x%2==0

if (g(11)):

print("The number is even")

else:

print("The number is odd")

The number is odd

The number is even

Run time error

Sysntex Error

DIRECTIONS for the question: Mark the best option:

What will be the output of following Code Snippets?

#include <stdio.h>

#defineBullseye500

int main()

{

#define Bullseye 500

```
printf("%d", Bullseye);
return (0);
}
```

No output

500

Abnormal Termination

Compiler error

DIRECTIONS for the question: Mark the best option:

Will the program outputs "Hitbullseye"?

```
#include
#include
int main()
{
char str1[] = "Hitbullseye";
char str2[30];
strncpy(str2, str1,11);
printf("%s", str2);
return 0,
}
```

No

Yes

Error

Can’t say

DIRECTIONS for the question: Mark the best option:

What could be the output of the code

```
balance: 1000
amount="300Rs"
```

```
deftake_card():
print(“Take the card out of ATM")
try:
if balance>=int(amount):
print(“Withdraw”)
else:
print("lnvalid amount")
exceptTypeError:
print("Type Error Occurred")
exceptValueError:
print("Value Error Occurred")
except:
print("Some error Occurred")
finally:
take_card()
```

```
Some error Occurred
Take the card out of ATM

Type Error Occurred
Take the card out of ATM

Invalid amount
Take the card out of ATM

Value Error Occurred
Take the card out of ATM
```

DIRECTIONS for the question: Mark the best option:

Predict the error in the given Code Snippets

```
#include<stdio.h>
int main()
{
int i;
        #if B
printf("Enter any number:");
scanf("%d', &i);
        #elif C
printf("The number is even");
return 0;
}
```

The number is even

Garbage value

Can't say

Error: unexpected end of file because there is no matching #endif

---

DIRECTIONS for the question: Mark the best option:

What will be the output

```
sample_dict={'a': 1 , 'b':2}
sample_dict.update({'b':5, 'c' : 10})
print(sample_dict.get('a'),sample_dict.get('b'), sample_dict.get('c'))
```

None, 5, 10

1, 5, 10

1, 2, None

1, 5, None

DIRECTIONS for the question: Mark the best option:

What will be the output

```
import re
word="lndian Airlines4"
if(re.search(r “^|”, word) and re.search(r “e$”, word));
print(re.sub(r “indian" , r"Singapore" ,word))
else:
print(re.sub(r “s(\d{1}”, r “S\1”, word))
```

Indian AirlineS

Indian Airline4

Indian AirlineS4

Singapore AirlineS4

DIRECTIONS for the question: Mark the best option:

What is the output of this C code?

```
#include<stdio.h>
void main()
{
int = {1, 2, 3, , 4, 5};
int i = 0, j = 0;
for (i = 0; i < 2; i++)
for (j 0; j < 3; j++)
printf("%d",a[i][j]);
}
```

1 2 3 0 4 5

1 2 3 junk 4 5

1 2 3 3 4 5

Compiler time error

DIRECTIONS for the question: Mark the best option:

What is the output of this program?

```
#include
using namespace std;
ostream & operator<<(ostream & i. int n)
{
return i;
}
int main()
{
cout << 5 << endl;
cin .get();
return 0;
}
```

5

6

Error

runtime error

DIRECTIONS for the question: Mark the best option:

What will be the output of this code

```
song-"JINGLE Bells jingle Bells Jingle All The way"
song. upper()
song_words=song.split()
count=0
for word in song_words:
if(word.startswith("jingle")):
count=count+1
print(count)
```

0

3

2

1

DIRECTIONS for the question: Mark the best option:

```
# include <stdio.h>
main ( )
{
char ch = ‘A',
while(ch <= ‘F’) {
switch(ch) {
case 'A': case ‘B’: case ‘C': case ‘D’:
ch++; continue;
case 'E : case ch++;
}
putchar(ch);
}
```

What will be the output of the above program?

ABCDEF will be displayed

FG will be displayed

EFG will be displayed

EF will be displayed

DIRECTIONS for the question: Mark the best option:

What will be the output of following java code?

```
class recursion
{
int func (int n)
```

```
{
int result;
result = func (n-1);
return result;
}
}
class Output
{
public static void main(String args[])
recursion obj = new recursion() ;
System.out.print(obj.func(12));
}
}
```

0

1

Compile time error

Runtime error

DIRECTIONS for the question: Mark the best option:

Consider the following program,

```
main ( )
{
int x = 0, i,  j;
for ( i=0,j=10; i < 5, j > 0; i +=2, j-- )
++x;
printf('%d', x);
}
```

What will be the output of the above program will be

10

5

0

11

DIRECTIONS for the question: Mark the best option:

What is the output of the following program?

```
public class TestFirstApp {
public static void magic(int x) {
System. out. print(x);
if ((x/10) != 0)
magic{x/10);
System. out. print(x);
}
public static void main(String[] args) {
TestFirstApp.magic(2357);
}
}
```

2357

75322357

7532

Runtime error

DIRECTIONS for the question: Mark the best option:

What will be the output of following Code Snippets?

```
#include <stdio.h>
int main()
{
Int a = 20, b = 4;
```

```
int* ra = &a,*rb  = &b,
printf("value = %d", *ra/*rb)
return 0;
}
```

5.0

5

5.00

Error

DIRECTIONS for the question: Mark the best option:

What will be the output

```
def add (data):
return data+2
def prod(data):
return data*2
defmain_fun(functionl ,function2, number_list):
result_sum=0
fornum in number_list:
if(num%3==0):
result_sum=result_sum+function1 (num)
else.
result_sum=result_sum+function2(num)
returnresult sum
number_list=[1, 3, 5, 6]
print(main_fun(add, prod, number_list))
```

35

25

45

105

DIRECTIONS for the question: Mark the best option:

What will be the output of the program?

```
#include
int main()
int i = 5;
while(i⇒=0)
printf("%d,", i);
i=5;
printf(“\n”);
while(i⇒=0)
printf("%i,", i);
while(i⇒=0)
printf("%d,", i);
retum 0;
}
```

4, 3, 2, 1, 0, -1

4, 3, 2, 1, 0, -1

5, 4, 3, 2, 1, 0

5, 4, 3, 2, 1, 0

Error

5, 4, 3, 2, 1, 0

5, 4, 3, 2, 1, 0

5, 4, 3, 2, 1, 0

DIRECTIONS for the question: Mark the best option:

What is the output of this program?

```
#include
using namespace std;
int main ( )
{
int n;
n = 43,
cout << hex << n << endl;
return 0;
}
```

2c

2b

20

50

DIRECTIONS for the question: Mark the best option:

What is the output of the following program?

```
#include
void dynamic(int a, ...)
printf("%d”, a);
int main()
{
dynamic(2, 4, 6, 8);
dynamic(3, 6, 9);
return 0,
}
```

4 6

2 3

4 9

3 2

DIRECTIONS for the question: Mark the best option:

What will be the output

```
import math
num_list=[100.5, 30.465, -1.22, 20.15]
num_list.insert(1, -100.5)
num_list.pop(0)
num_list.sort()
print(math.ceil(math.fabs(num_list[0])))
```

101

102

30

31

DIRECTIONS for the question: Mark the best option:

What will be the output of following Code Snippets?

```
#include<stdio.h>

int main(){
char huge *near *far *ptr1 ;
char near *far *huge *ptr2;
char far *huge *near *ptr3;
printf("%d, %d %d\n,sizeof(**ptr1), sizeof(**ptr2), sizeof(*ptr3));
```

```
return 0;
}
```

3, 3, 2

4, 4, 4

5, 4, 5

5, 6, 8