

6. Predict the output of the following code :

```
a = 10
y = 5
def myfunc():
    y = a
    a = 2
    print("y =", y, "a =", a)
    print("a + y =", a + y)
    return a + y

print("y =", y, "a =", a)
print(myfunc())
print("y =", y, "a =", a)
```

7. What is wrong with the following function definition ?

```
def addEm(x, y, z):
    return x + y + z
    print("the answer is", x + y + z)
```

8. Write a function namely fun that takes no parameters and always returns *None*.

9. Consider the code below and answer the questions that follow :

```
def multiply(number1, number2):
    answer = number1 * number2
    print(number1, 'times', number2, '=', answer)

    return(answer)

output = multiply(5, 5)
```

- (i) When the code above is executed, what prints out ?
(ii) What is variable output equal to after the code is executed ?

10. Consider the code below and answer the questions that follow :

```
def multiply(number1, number2):
    answer = number1 * number2
    return(answer)
    print(number1, 'times', number2, '=', answer )

output = multiply(5, 5)
```

- (i) When the code above is executed, what gets printed ?
(ii) What is variable output equal to after the code is executed ?

11. Find the errors in code given below :

(a)

```
def minus(total, decrement)
    output = total - decrement
    print(output)
    return (output)
```

(b)

```
define check()
    N = input ('Enter N: ')
    i = 3
    answer = 1 + i ** 4 / N
    Return answer
```

Type B : Application Based Questions

1. What are the errors in following codes ? Correct the code and predict output :

(a) `total = 0;`
`def sum( arg1, arg2 ):`
`total = arg1 + arg2;`
`print("Total :", total)`
`return total;`
`sum( 10, 20 );`
`print("Total :", total)`

(b) `def Tot(Number)      #Method to find Total`
`Sum = 0`
`for C in Range (1, Number + 1) :`
`Sum += C`
`RETURN Sum`
`print (Tot[3])      #Function Calls`
`print (Tot[6])`

[CBSE D 2015]

2. Consider the following code and write the flow of execution for this. Line numbers have been given for your reference.

```

1  def power(b, p):
2      y = b ** p
3      return y
4
5  def calcSquare(x):
6      a = power(x, 2)
7      return a
8
9  n = 5
10 result = calcSquare(n)
11 print(result)

```

3. What will the following function return ?

```

def addEm(x, y, z):
    print(x + y + z)

```

4. What will the following function print when called ?

```

def addEm(x, y, z):
    return x + y + z
    print(x + y + z)

```

5. What will be the output of following programs ?

(i) `num = 1`
`def myfunc():`
`return num`
`print(num)`
`print(myfunc())`
`print(num)`

(ii) `num = 1`
`def myfunc():`
`num = 10`
`return num`
`print(num)`
`print(myfunc())`
`print(num)`

(iii) `num = 1`
`def myfunc():`
`global num`
`num = 10`
`return num`
`print(num)`
`print(myfunc())`
`print(num)`

(iv) `def display():`
`print("Hello", end = ' ')`
`display()`
`print("there!")`