

[Score Overview](#)[Subject Wise](#)[Question Wise](#)[Time Wise](#)[Compare with Topper](#)[Solution](#)**Subject**

Python

Language

English

Q.	$pp,qq,rr = 7,8,7$ $qq = 7+pp$ $qq = 10+pp$ $rr = (qq^qq)^qq$ $qq = (pp^9) + pp$ $print(pp + qq + rr)$ (a) 27 (b) 45 (c) 39 (d) 31	Unattempted
		Your Ans Correct Ans b Time (Secs) 5 ★ Bookmark
Q.	$p,q,r = 5,8,2$ $for r in range(4,r+1):$ $q = p+r$ $if ((p+q-r) < (r+p)):$ $continue$ $else:$	Solution
		Unattempted Your Ans Correct Ans a Time (Secs) 24 ★ Bookmark

```
break
```

```
p = (q^q)+p
```

```
print(p+q)
```

- (a) 13
- (b) 5
- (c) 25
- (d) 17

Solution

Q. `def funn(a,b):`

```
    if(b
```

```
        a=0
```

```
        b=0
```

```
    return funn(a,b)
```

```
return a+b+1
```

```
a=funn(8,5)
```

```
print(a)
```

- (a) 8

- (b) 9

- (c) -4

- (d) None of the above

incorrect

Your Ans

Correct Ans

Time (Secs)

 Bookmark

Q.

`pp,qq,rr = 9,4,7`

Solution

incorrect

Your Ans

```
for rr in range(3,rr+1):
```

```
    if ((1+6)<(8-qq)):
```

```
        break
```

```
    pp=(qq+9)+qq
```

```
    pp=(rr&10)+qq
```

```
print(pp+qq)
```

(a) -4

(b) 10

(c) 15

(d) 31

Correct Ans | b

Time (Secs) | 10

★ Bookmark

Solution

Q. $p,q,r = 2,6,8$

incorrect

$$q = (1+2)+r$$

Your Ans | b

$$r = (r&q)^q$$

Correct Ans | c

$$\text{if } ((5\&p) < (q^5) \text{ or } 2 > q):$$

Time (Secs) | 9

★ Bookmark

$$r = p+q$$

$$\text{print}(p+q+r)$$

(a) 35

(b) 25

(c) 26

(d) 32

Solution

Q. `a,b,c = 2,9,8`

incorrect

`for c in range(4,c+1):`

Your Ans | b

`b = (a+7)+c`

Correct Ans | c

`if ((b&c)<(a-b)):`

Time (Secs) | 7

`continue`

Bookmark

`else:`

`break`

`b=(8+6)+b`

`print(a+b)`

(a) 33

(b) 43

(c) 15

(d) 6

Solution

Q. `a,b,c = 4,7,8`

incorrect

`if ((b&c&a)==(a&b)):`

Your Ans | d

`b = (b&4)&a`

Correct Ans | a

`if((c+5)>(b-c)):`

Time (Secs) | 6

`if (a>b):`

Bookmark

`c = c+c`

`a = (c^c)+c`

a = a&b

a = 6+b

c = (a+11)^c

print(a+b+c)

- (a) 36
- (b) 32
- (c) 28
- (d) 37

Solution

Q. def funn(a,b):
 if (a<9 or b>5):
 return a+funn(b,a)
 return a+2

a = funn(4,9)
print(a)

- (a) 18
- (b) 15
- (c) 31
- (d) 9

incorrect

Your Ans | d

Correct Ans | b

Time (Secs) | 181

 Bookmark

Q. def funn(a,b):

b = b-1

incorrect

Your Ans | a

Correct Ans | b

Time (Secs) | 16

[★ Bookmark](#)

```
if b == 0:  
    return 1  
  
a = a+1  
  
return funn(a,b)*a
```

```
p = 4  
  
q = funn(p,p)
```

```
print(q)
```

- (a) 1024
- (b) 210
- (c) 3024
- (d) 6561

Solution

Q. def funn(n):
 i , s = 0,0
 while n>0:
 r = n%10
 p = 8^i
 s = s+p*r
 i+=1
 n = n//10

incorrect
Your Ans | b
Correct Ans | c
Time (Secs) | 6

[★ Bookmark](#)

```
return s
```

p = 124

q = funn(p)

print(q)

- (a) 27
- (b) 187
- (c) 60
- (d) 120

Solution

Q. def funn(a,b):

correct

 if(a<b):

Your Ans | c

 a = b

Correct Ans | c

 elif(b<a):

Time (Secs) | 9

 b+=a

★ Bookmark

 return funn(a,b)

else:

 return b

return funn(a,b)+funn(b,a)

a = funn(2,8)

print(a)

- (a) 12
- (b) 7
- (c) 16
- (d) 14

Solution

Q. $p,q,r = 10,6,4$

incorrect

```
if ((p-r-q) > (q-p)):
```

Your Ans | c

```
    if ((p+q) < (q-p)):
```

Correct Ans | a

```
        r = (q+r) + r
```

Time (Secs) | 5



```
        p = 9+q
```

```
        p = 11+q
```

```
else:
```

```
    if ((q+p)+(p&r) > (q^p & r)):
```

```
        q = q+r
```

```
        q = 2+r
```

```
        p = (r+9)+r
```

```
    print(p+q+r)
```

- (a) 27

- (b) 49

- (c) 65

- (d) 42

Solution

Q. $a,b,c = 2,7,4$

`if (b>a):`

`if ((c-a-b)<(b-c)):`

`c = (b+10)^c`

`a = (5+1) + b`

`a = (3+3) + c`

`else:`

`a = (c&7)+c`

`if ((b&a&c)<(6+c-b)):`

`b = 5+c`

`c = (c+2)^c`

`print(a+b+c)`

(a) 38

(b) 55

(c) 11

(d) 28

incorrect

Your Ans d

Correct Ans b

Time (Secs) 9

 [Bookmark](#)

Q. $p,q,r = 6,8,4$

`p = 11&q`

`q = (p^r)^q`

`if (r<p):`

Solution

incorrect

Your Ans c

Correct Ans b

Time (Secs) 5

 [Bookmark](#)

```
p = (1+12)+q
```

else:

```
p = 4+q
```

```
if((q^r)<r):
```

```
    q = 10+r
```

```
    q = (3&1)+p
```

```
print(p+q+r)
```

(a) 43

(b) 25

(c) 51

(d) 59

Solution

Q. `def fun1(a, b):`

```
    if (a<6 and b>4):
```

```
        return (a^1) + fun1(a+1,b&1)+(b^1)
```

```
    return a+2
```

incorrect

Your Ans | b

Correct Ans | c

Time (Secs) | 110

Bookmark

```
a = fun1(2,10)
```

```
print(a)
```

(a) 17

(b) 11

(c) 19

(d) 25

SolutionQ. $pp,qq,rr = 8,7,5$

correct

 $pp = 3^rr$

Your Ans : b

if ((pp&qq&rr)<(qq+rr-pp)):

Correct Ans : b

 $pp=(11&10)^pp$

Time (Secs) : 12

 $rr = (10+3)&pp$ **★ Bookmark**`print(pp+qq+rr)`

(a) -9

(b) 31

(c) 4

(d) 19

Q. `def funn(a,b):`

correct

`if(a<b):`

Your Ans : a

`a = b`

Correct Ans : a

`return funn(a,b)+funn(b,a)`

Time (Secs) : 110

★ Bookmark`return b``a = funn(7,6)``print(a)`

(a) 6

(b) 11

(c) 8

(d) -1

SolutionQ. $pp, qq, rr = 8, 7, 8$

Unattempted

 $qq = 7 + pp$

Your Ans

|

 $qq = 10 + pp$

Correct Ans

| c

 $rr = (qq^qq)^qq$

Time (Secs)

| 10

 $qq = (pp^9) + pp$

Bookmark

`print(pp + qq + rr)`

(a) 27

(b) 39

(c) 35

(d) 31

Q. $p, q, r = 6, 9, 3$

correct

`for r in range(4, r+1):`

Your Ans

| b

 $q = p+r$

Correct Ans

| b

`if ((p+q-r)<(r+p)):`

Time (Secs)

| 39

`continue``else:``break` $p = (q^q)+p$

Bookmark

```
print(p+q)
```

- (a) 5
- (b) 15
- (c) 25
- (d) 17

Solution

Q. `def funn(a,b):`

```
    if(b<a):
```

```
        a=0
```

```
        b=0
```

```
    return funn(a,b)
```

```
return a+b+1
```

```
a=funn(9,6)
```

```
print(a)
```

- (a) 8

- (b) 9

- (c) 1

- (d) -4

correct

Your Ans c

Correct Ans c

Time (Secs) 114

 [Bookmark](#)

Q. Which of the following is a valid Python comment?

- (a) <!-- -->

- (b) /* */

- (c) #

Solution

correct

Your Ans c

Correct Ans c

Time (Secs) 11

[Bookmark](#)**Solution**

Q.	Which tool is used to install Python packages?	correct
(a)	git	Your Ans c
(b)	virtualenv	Correct Ans c
(c)	pip	Time (Secs) 13
(d)	setuptools	

Solution [Bookmark](#)

Q.	What is a decorator in Python?	correct
(a)	A function that modifies the functionality of another function	Your Ans a
(b)	A function that creates new functions	Correct Ans a
(c)	A syntax for defining anonymous functions	Time (Secs) 21
(d)	A tool for debugging functions	

Solution [Bookmark](#)

Q.	How does polymorphism enhance code reusability?	incorrect
(a)	By allowing methods to perform different tasks based on the object	Your Ans b
(b)	By using the same method in multiple classes	Correct Ans a
(c)	By changing the functionality of inherited methods	Time (Secs) 51
(d)	By encapsulating code in modules	

Solution [Bookmark](#)

Q.	What is the output of this code: <pre>def add(x, y): return x + y;</pre>	incorrect
		Your Ans d
		Correct Ans c
		Time (Secs) 37

 [Bookmark](#)**print(add(3, 4))**

- (a) 3
- (b) 4
- (c) 7

(d) Error

SolutionQ. **What will the following function return:**

```
def example():
    return 5, 5
```

- (a) (5, 5)
- (b) 10
- (c) 5 5
- (d) SyntaxError

incorrect

Your Ans | c

Correct Ans | a

Time (Secs) | 21

★ Bookmark

Q. How do you import a module in Python?

- (a) using the import keyword
- (b) using the include keyword
- (c) using the require keyword
- (d) using the module keyword

correct

Your Ans | a

Correct Ans | a

Time (Secs) | 19

Solution**★ Bookmark**

Q. What is a function in Python?

- (a) A variable
- (b) A module
- (c) A block of code
- (d) An operator

correct

Your Ans | c

Correct Ans | c

Time (Secs) | 10

Solution**★ Bookmark**

Q. Find the mistake:

```
d = {'a': 1, 'b': 2};
print(d.get('c', 'Not Found'))
```

- (a) Syntax error in the dictionary
- (b) get() method used incorrectly
- (c) Key 'c' doesn't exist
- (d) no error

incorrect

Your Ans | b

Correct Ans | d

Time (Secs) | 63

★ Bookmark**Solution**

Q.

Identify the error:

```
d = {'first': 1, 'second': 2}
```

- (a) Syntax error with the dictionary
- (b) Lists can't be dictionary keys
- (c) No error
- (d) Dictionary keys must be strings

incorrect

Your Ans | a

Correct Ans | b

Time (Secs) | 17

Bookmark

Solution

Q.

What will be the result of the following code?

```
d = {'a': 1, 'b': 2};
```

```
d['c'] = 3;
```

```
print(len(d))
```

- (a) 2
- (b) 3
- (c) Error
- (d) 1

correct

Your Ans | b

Correct Ans | b

Time (Secs) | 22

Bookmark

Solution

Q.

Pseudocode:

Given a tuple (1,2,3),

print each element multiplied by 2

- (a) Prints 2, 4, 6
- (b) Prints 1, 2, 3
- (c) Error
- (d) No output

correct

Your Ans | a

Correct Ans | a

Time (Secs) | 75

Bookmark

Solution

Q.

How do you access the last element of a list named myList?

- (a) myList[0]
- (b) myList[-1]
- (c) myList[len(myList)]
- (d) myList[-2]

correct

Your Ans | b

Correct Ans | b

Time (Secs) | 30

Bookmark

Solution

Q.

incorrect

Your Ans | d

Find the mistake:**while True:**

```
print("Looping");
break
```

- (a) Infinite loop
- (b) No error
- (c) The loop will never break
- (d) Incorrect use of print statement

Correct Ans | b

Time (Secs) | 81

Bookmark

Solution

Q. Pseudocode:

incorrect

For each element in list [1, 2, 3],
print element

Your Ans | c

- (a) Prints 1 2 3
- (b) Prints 3 2 1
- (c) Prints [1, 2, 3]
- (d) No output

Correct Ans | a

Time (Secs) | 78

Bookmark

Q. What is the output of the following code?

incorrect

```
for i in range(3):
    print(i, end=",")
```

Your Ans | a

- (a) 0
- 1
- 2

Correct Ans | b

- (b) 1,2,3,
- (c) "0 1 2 3"
- (d) Error

Time (Secs) | 36

Bookmark

Q.

incorrect

Identify the error:**if x > 10:****print("Greater")**

- (a) Missing parentheses around condition
- (b) No error
- (c) Missing colon after condition
- (d) Incorrect comparison operator

Your Ans | a

Correct Ans | b

Time (Secs) | 29

★ Bookmark**Solution****Q.** Pseudocode: What is printed when the temperature is 25 degrees?

correct

```
If temperature > 30,  
    print "Hot",  
elif temperature > 20,  
    print "Warm",  
else  
    "Cold"  
(a) Prints "Hot"  
(b) Prints "Warm"  
(c) Prints "Cold"  
(d) No output
```

Your Ans | b

Correct Ans | b

Time (Secs) | 39

★ Bookmark**Q.** Pseudocode:

correct

```
Check if a number is divisible by 2,  
if yes  
    print "Even",  
otherwise  
    "Odd"  
(a) Prints "Even"  
(b) Prints "Odd"  
(c) Error  
(d) No output
```

Your Ans | a

Correct Ans | a

Time (Secs) | 73

★ Bookmark**Q.** Pseudocode:**Solution**

correct

```
age = 20
```

```
If age > 18,
```

```
    print "Adult",
```

```
else
```

```
    print "Minor"
```

- (a) Prints "Adult"
- (b) Prints "Minor"
- (c) Prints "Age"
- (d) No output

Your Ans | a

Correct Ans | a

Time (Secs) | 33

[Bookmark](#)

Solution

Q. What is the result of the following expression: $4 > 3$ and $5 < 2$?

incorrect

- (a) The result is True
- (b) The result is False
- (c) Error
- (d) None

Your Ans | a

Correct Ans | b

Time (Secs) | 178

[Bookmark](#)

Solution

Q. What is the result of the following expression: $5 == 5.0$?

incorrect

- (a) The result is True
- (b) The result is False
- (c) Error
- (d) None

Your Ans | b

Correct Ans | a

Time (Secs) | 16

[Bookmark](#)

Solution

Q. In Python, how many levels of nesting are allowed for if statements?

incorrect

- (a) Only one level
- (b) Maximum two levels
- (c) Unlimited levels

Your Ans | a

Correct Ans | c

(d) Maximum three levels		Time (Secs) 54	Solution	★ Bookmark
Q.	Which keyword is used to terminate the if-else statement block in Python?	correct		
(a)	end	Your Ans	d	
(b)	terminate	Correct Ans	d	
(c)	stop	Time (Secs)	55	
(d)	None of the above			
		Time (Secs) 55	Solution	★ Bookmark
Q.	In an else-if ladder, how many conditions are evaluated until a true condition is found?	correct		
(a)	Only one	Your Ans	a	
(b)	All conditions	Correct Ans	a	
(c)	None of the conditions	Time (Secs)	63	
(d)	Maximum three conditions			
		Time (Secs) 63	Solution	★ Bookmark
Q.	In Python, the if-else statement is an example of a:	correct		
(a)	Conditional statement	Your Ans	a	
(b)	Loop statement	Correct Ans	a	
(c)	Jump Statement	Time (Secs)	48	
(d)	Assignment Statement			
		Time (Secs) 48	Solution	★ Bookmark
Q.	Which loop in Python allows execution of a block of code as long as a condition is true?	correct		
(a)	for loop	Your Ans	b	
(b)	while loop	Correct Ans	b	
(c)	do-while loop	Time (Secs)	75	
(d)	repeat-until loop			
		Time (Secs) 75	Solution	★ Bookmark
Q.	In Python, how do you terminate a loop prematurely?	correct		
(a)	using the break statement	Your Ans	a	
(b)	using the continue statement	Correct Ans	a	
(c)	using the return statement	Time (Secs)	18	
(d)	using the exist statement			

[Solution](#) [Bookmark](#)

Q. What is the output of the following code snippet?

```
x = 0
while x < 5:
    x += 1
    if x == 3:
        break
    print(x)
else:
    print("Loop completed successfully")
```

- (a) 1 2 3 4 5
- (b) 1 2
- (c) 1 2 3
- (d) Loop completed successfully

incorrect

Your Ans | c

Correct Ans | b

Time (Secs) | 98

 [Bookmark](#)

Q. In Python, how do you iterate over the indices and elements of a list simultaneously?

- (a) using a for loop with the enumerate() function
- (b) using a while loop
- (c) using a do-while loop
- (d) using a repeat-until loop

correct

Your Ans | a

Correct Ans | a

Time (Secs) | 47

[Solution](#) [Bookmark](#)

Q. What is the output of the following code snippet?

```
for i in range(1, 6):
    if i % 2 == 0:
        continue
    print(i)
```

incorrect

Your Ans | c

Correct Ans | b

Time (Secs) | 166

 [Bookmark](#)

- (a) 1 2 3 4
- (b) 1 3 5
- (c) 2 4
- (d) 1 2 3 4 5

Solution

- Q. Which loop in Python is ideal when the number of iterations is not known in advance?
- (a) for loop
 - (b) while loop
 - (c) do-while loop
 - (d) repeat-until loop

correct

Your Ans b

Correct Ans b

Time (Secs) 91

Solution Bookmark

- Q. Predict the output:

```
x = 0
while x < 5:
    x += 1
    if x == 3:
        continue
    print(x)
    if x == 4:
        break
```

- (a) 1 2
- (b) 1 2 3
- (c) 1 2 4
- (d) 1 2 3 4

incorrect

Your Ans d

Correct Ans c

Time (Secs) 68

 Bookmark

- Q. Which statement can be used to exit from both the innermost loop and the outer loop in nested loops?
- (a) Break

Solution

incorrect

- (b) Continue
- (c) Exit
- (d) Pass

Your Ans | c
Correct Ans | a
Time (Secs) | 38

Solution

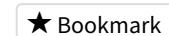
Q. Predict the output:

```
i = 1
while i <= 5:
    print(i)
    if i % 2 == 0:
        i += 2
    else:
        i += 1
```

- (a) 1 2 3 4 5
- (b) 1 2 4 5
- (c) 1 2 4
- (d) 1 3 5

incorrect

Your Ans | b
Correct Ans | c
Time (Secs) | 30



Q. Predict the output:

```
x = 5
while x > 0:
    if x == 3:
        continue
    print(x)
```

incorrect
Your Ans | d
Correct Ans | a
Time (Secs) | 88



```
x == 1  
else:  
    print("Loop completed successfully.")
```

- (a) 5 4 2 1
Loop completed successfully
- (b) 5 4 3 2 1
- (c) 4 2 1
- (d) None of the above

Solution

Q. In Python, how can you create an infinite loop?

- (a) Using a for loop
- (b) Using a while loop with a break statement
- (c) Using a do-while loop
- (d) Using a repeat-until loop

correct

Your Ans b

Correct Ans b

Time (Secs) 58

Solution[★ Bookmark](#)

Q. In Python, what is the difference between the range() and xrange() functions?

- (a) range() returns a list, while xrange() returns a generator object.
- (b) range() is used in for loops, while xrange() is used in while loops.
- (c) range() is used for a finite range of values, while xrange() is used for an infinite range of values
- (d) range() is a built-in function, while xrange() is a module.

incorrect

Your Ans d

Correct Ans a

Time (Secs) 88

Solution[★ Bookmark](#)

Q. In Python, what is the purpose of the pass statement in a loop?

- (a) To skip the current iteration and move to the next iteration
- (b) To exit the loop prematurely
- (c) To indicate an empty block of code
- (d) To terminate the loop completely

incorrect

Your Ans a

Correct Ans c

Time (Secs) 17

Solution[★ Bookmark](#)

Q. Predict the following output of the following:

correct

Your Ans b

```
for i in range(3):
    for j in range(2):
        if i == j:
            break
        print(i, j)
```

(a) 0 1
(b) 1 0
(c) 0 1 '1 0
(d) No output

Correct Ans | b

Time (Secs) | 12

[Solution](#)