

# SECOMP-B-PYTHON -QUIZ 3

\* Required

All MCQs are compulsory

1. Which one of the following is an application of Queue Data Structure? \* 1 point

- ☐ When a resource is shared among multiple consumers.
- ☐ When data is transferred asynchronously (data not necessarily received at same rate as sent) between two processes
- ☐ Load Balancing ☐
- ☒ All of the above

2. Which of the following can be used to create stacks in PYTHON \* 1 point

- ☐ List, queue.Queue, collections.deque
- ☐ Dictionary, List, queue.Queue
- ☒ List, queue.LifoQueue, collections.deque
- ☐ List, queue.stack, collections.deque

3. Dequeue is preferred over a list to create any data structure in PYTHON because I) Dequeue allows insertion and deletion from both the ends for quicker access II) Dequeue provides  $O(1)$  time complexity for append and pop operation \* 1 point

- ☐ I only
- ☐ II only
- ☒ I and II both
- ☐ None

4. The queue module of python contains following classes \* 1 point

- ☒ queue.Queue, queue.LifoQueue
- ☐ queue.Queue , queue.CircularQueue
- ☐ queue.Queue, queue.deque
- ☐ queue.FifoQueue, queue.LifoQueue



5. What does the `get_nowait()` of queue module does? \*

1 point

- ☐ Remove and return an item from the queue. If queue is empty, wait until an item is available.
- ☒ Return an item if one is immediately available, else raise `QueueEmpty`.
- ☐ Put an item into the queue without blocking.
- ☐ Put an item into the queue. If the queue is full, wait until a free slot is available before adding the item.

6. Which of the following is not the valid method of deque class? \*

1 point

- ☐ `append()`
- ☐ `appendleft()`
- ☒ `appendright()`
- ☐ `pop()`

7. which of the following function of deque allows you to add multiple values at the right end of the deque? \*

1 point

- ☐ `append()`
- ☐ `appendright()`
- ☒ `extend()`
- ☐ `extendright()`

8. Double Ended Queue is implemented in Python using \*

1 point

- ☒ collections Module
- ☐ queue Module
- ☐ List Module
- ☐ stack module

9. When implementing a stack using `LifoQueue`, which of the following functions of `LifoQueue` is used to add element and remove element from the queue respectively? \*

1 point

- ☒ `put()` and `get()`
- ☐ `append()` and `remove()`
- ☐ `add()` and `delete()`
- ☐ `insert()` and `get()`

Q10. What will be the output of the following code snippet? \*

1 point

```
import collections
de = collections.deque([1,2,3])
de.append(4)
de.appendleft(6)
de.pop()
print(de)
```

- ☐ [3, 2, 2 , 6]
- ☐ [1, 2, 3, 6]
- ☐ [2, 3, 6, 1]
- ☒ [6, 1, 2, 3]

[Back](#)

Submit

Never submit passwords through Google Forms.

This form was created inside of Fr. Conceicao Rodrigues College of Engineering. [Report Abuse](#)

Google Forms

