Q1. Which of the following methods is used to add an element to the end of a list in Python?

a) append()

Q2. What is the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

print(my\_list[2:4])

a) [3, 4]

Q3. Which of the following methods is used to remove the first occurrence of a specified element from a list in Python?

a) remove()

Q4. What will be the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

my\_list.pop(2)

print(my\_list)

[1, 2, 4, 5]

Q5. Which of the following methods is used to reverse the elements of a list in Python?

reverse()

Q6. What is the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

my\_list.extend([6, 7, 8])

print(my\_list)

[1, 2, 3, 4, 5, 6, 7, 8]

Q7. Which of the following methods is used to sort the elements of a list in Python?

sort()

Q8. What will be the output of the following Python code snippet?

my\_list = [3, 2, 1, 4, 5]

my\_list.sort()

print(my\_list)

[1, 2, 3, 4, 5]

Q9. Which of the following methods is used to insert an element at a specified position in a list in Python?

insert()

Q10. What is the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

my\_list.insert(2, 10)

print(my\_list)

[1, 2, 10, 3, 4, 5]

Q11. Which of the following methods is used to remove the element at a specified position in a list in Python?

pop()

Q12. What will be the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

my\_list.remove(3)

print(my\_list)

[1, 2, 4, 5]

Q13. Which of the following methods is used to count the number of occurrences of a specified element in a list in Python?

count()

Q14. What will be the output of the following Python code snippet?

my\_list = [1, 2, 2, 3, 4, 2, 5]

print(my\_list.count(2))

2

Q15. Which of the following methods is used to create a shallow copy of a list in Python?

copy()

Q16. What will be the output of the following Python code snippet?

my\_list = [1, 2, 3]

new\_list = my\_list.copy()

my\_list.append(4)

print(new\_list)

[1, 2, 3]

Q17. Which of the following methods is used to clear all elements from a list in Python?

clear()

Q18. What will be the output of the following Python code snippet?

my\_list = [1, 2, 3]

my\_list.clear()

print(my\_list)

[]

Q19. Which of the following methods is used to find the index of the first occurrence of a specified element in a list in Python?

index()

Q20. What will be the output of the following Python code snippet?

my\_list = [1, 2, 3, 4, 5]

print(my\_list.index(3))

2