**Question 1**

What is the output of the following program?

a = 2

b = '3.77'

c = -8

s = '**{0:.4f}** **{0:3d}** **{2}** **{1}**'.format(a, b, c)

print(s)

A 2.0000 2 -8 3.77

B 2 3.77 -8 3.77

C 2.000 3 -8 3.77

D 2.000 2 8 3.77

**Question 2**

What are strings in Python?

A Arrays of bytes representing Unicode characters

B Arrays of integers representing characters

C Single characters only

D Arrays of floats representing characters

**Question 3**

What does the string method .join() do in Python?

A Splits a string into a list

B Concatenates a list of strings into one string

C Reverses a string

D Returns the index of a substring in the string

**Question 4**

Which method can be used to handle strings with both single and double quotes simultaneously in Python?

A Using triple quotes

B Using backslash ()

C Using parentheses

D Using single quotes only

**Question 5**

How can you print a string without resolving escape sequences in Python?

A By using the repr() function

B By using the eval() function

C By using the str() function

D By using the format() function

**Question 6**

What is the primary reason that updating or deleting characters from a string in Python is not allowed?

A Strings are mutable data types

B Python strings are immutable data types

C Python doesn't support character-level operations on strings

D Python string operations are not efficient

**Question 7**

What is the purpose of the find() function in Python strings?

A It returns the position of the last occurrence of a substring within a string.

B It returns true if the string begins with a specified prefix.

C It returns the position of the first occurrence of a substring within a string.

D It returns true if all the letters in the string are lowercased.

**Question 8**

What does the startswith() function in Python do?

A It returns true if all the letters in the string are uppercased.

B It returns true if the string starts with a specified prefix.

C It returns true if the string ends with a specified suffix.

D It returns true if all the letters in the string are lowercased

**Question 9**

What does the title() method do in Python strings?

A It converts the first letter of every word to uppercase and others to lowercase.

B It swaps the cases of all letters in the string.

C It converts all letters to uppercase.

D It converts all letters to lowercase.

**Question 10**

What does the count() function in Python do?

A It counts the total number of characters in a string.

B It counts the occurrences of a specified substring within a string.

C It returns true if all characters in the string are alphabets.

D It returns true if all characters in the string are numbers.

**Question 11**

What does the isalpha() function in Python return?

A True if all characters in the string are alphabets, else False.

B True if all characters in the string are numbers, else False.  
C True if all characters in the string are alphanumeric, else False.

D True if all characters in the string are spaces, else False.

**Question 12**

What does the strip() method do in Python?

A Deletes all the leading characters mentioned in its argument.

B Deletes all the trailing characters mentioned in its argument.

C Deletes all the leading and trailing characters mentioned in its argument.

D Splits the string based on the characters mentioned in its argument.

**Question 13**

Which method is used to replace all tab characters with whitespace using the given tab size?

A strip()

B expandtabs()

C replace()

D maketrans()

**Question 14**

Which method is used to create a Regex object in Python?

A regex.compile()

B re.create()

C re.compile()

D regex.create()

**Question 15**

What is the purpose of the translate() function in Python?

A It is used to map the contents of string 1 with string 2 with respective indices to be translated later.

B It is used to swap the string elements mapped with the help of maketrans().

C It is used to replace the substring with a new substring in the string.

D It is used to replace all tab characters with whitespace using the given tab size.