**ANSWERS**

**Q1.** **Why are functions advantageous to have in your programs?**

**Ans.** Functions are advantageous to have in our programs as it reduces duplicacy. We can avoid rewriting the same logic or code again and again in a program. It makes the program shorter, readable, easy to understand and easy to update.

**Q2.** **When does the code in a function run: when it's specified or when it's called?**

**Ans.** The code in a function runs when its called and not when its specified.

**Q3.** **What statement creates a function?**

**Ans.** The “def” statement defines a function in python.

**Q4.** **What is the difference between a function and a function call?**

**Ans.** A function consists of the “def” statement and the code in its def clause. A function call is what moves the program execution into the function, and the function call evaluates to the function’s return value.

**Q5. How many global scopes are there in a Python program? How many local scopes?**

**Ans.** In a python program, there is one global scope and the local scopes are created whenever a function is called.

**Q6. What happens to variables in a local scope when the function call returns?**

**Ans.** When a function returns, the local scope is destroyed, and all the variables in it are forgotten.

**Q7. What is the concept of a return value? Is it possible to have a return value in an expression?**

**Ans.** A return value is the value that a function call evaluates to. Like any value, a return value can be used as part of an expression.

**Q8. If a function does not have a return statement, what is the return value of a call to that function?**

**Ans.** If there is no return statement for a function, its return value is None.

**Q9. How do you make a function variable refer to the global variable?**

**Ans.** A global statement will force a variable in a function to refer to the global variable.

**Q10. What is the data type of None?**

**Ans.** The data type of None is NoneType.

**Q11. What does the sentence import areallyourpetsnamederic do?**

**Ans.** That import statement imports a module named areallyourpetsnamederic. (This isn't a real Python module)

**Q12. If you had a bacon() feature in a spam module, what would you call it after importing spam?**

**Ans.** This function can be called with spam.bacon().

**Q13. What can you do to save a programme from crashing if it encounters an error?**

**Ans.** We can place the line of code that might cause an error in a try clause.

**Q14. What is the purpose of the try clause? What is the purpose of the except clause?**

**Ans.** The try clause lets you test the code that could potentially cause an error. The except clause lets you handle the error.