1. Why are functions advantageous to have in your programs?

Ans: Function will reduce the duplication of code and easy to read

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

Ans: When its called

3. What statement creates a function?

Ans: def <function name> (<arg, if any>):

Body of function

4. What is the difference between a function and a function call?

Ans: function is a line of code which operate on some parameters and return some thing.

def sum(a,b):

return a+b

A function call is used to call a function and pass variable to the function.

Sum(5+6)

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

Ans: global scope: we can define it out side the function in a script. Then that variable will be available to all the function within that code. We can update its value from a function using “global” keyword.

Local variable is with a function or module. It will terminate once that function or module is completed.

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

Ans: local scope is terminated.

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

Ans: A function return a value when its task is completed. Yes, its possible to have return value in an expression

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

Ans:None

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

Ans: using keyword : global

10. What is the data type of None?

Ans: “NONE TYPE”

11. What does the sentence import areallyourpetsnamederic do?

Ans: This will import the module name areallyourpetsnamederic.

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

Ans: spam.bacon()

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

Ans: by using try clause and exception clause

14. What is the purpose of the try clause? What is the purpose of the except clause?

Ans: In try clause, we process the code which can have error or exception.

And in except clause, we handle that exception.