LEARNER:_____ **GRADE:**_____

Summative Assessment for the unit «Basic structures of the Python programming language»

Subject: Programming

Learning objectives

11.1.1.2 use the escape sequences with data output.
11.1.1.4 convert data types of variables
11.1.1.8 use logical operations AND, OR, NOT in selection structure
11.1.2.2 implement a loop algorithm according to a flowchart
11.1.2.3 trace programme code
11.4.3.2 solve applied problems of various subject areas

Assessment criteria

A learner

- Knows data types of the variables
- Uses escape sequence
- Understands the logical operations
- Implements branching algorithm
- Solves applied problems from various subject areas

Level of thinking skills Application

Duration 30 min

Assessment criteria	Task	Descriptor	Mark
		A Learner	
11.1.1.4 convert data types of variables	1	creates a variable	1
		identifies type of variable	1
	2	identifies output	1
11.1.1.2 use the escape sequences with data output	3	1 point for the correct use of escape sequence	1
11.1.1.8 use logical operations AND, OR, NOT in selection structure	4	1 point for use if..else	1
		1 point for using correct logical operation	1
		1 point for correct comparison operators	1
11.1.1.9 implement the branching algorithm according to the flowchart	5		1
			1
			1
			1
11.4.3.2 solve applied problems from various subject areas	6	1 point for using the branching algorithm	1
		1 point for the correct use of data type	1
		1 point for the correct logical operation	1
		1 point for fully functional code	1
		Total	15

1. The variable **Height** stores the string value '175'. Write a line of code that converts the string value to an integer number. Save the new value in the **Number** variable.

…… [2]

2. Consider this code:

```
Val = 10
Num = float(Val)
```

Write the result stored in the Num variable after the code is executed.

……[1]

3. Use the escape sequence to print the following text in one line:
   Sample output:
   Hello,
   World!

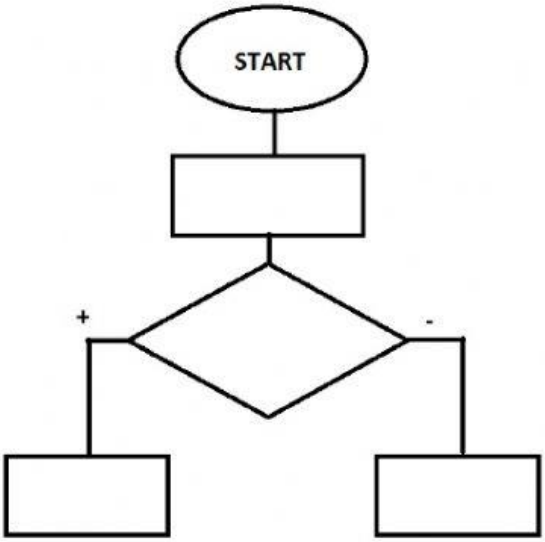
   print(……)
   [1]

4. Consider this code. Complete the missing parts (fill the gaps) of the programing code that verifies that the user is an **adult citizen of Kazakhstan** (an adult citizen is aged 18 and over).

```
Age = int(input())

Citizenship =
input()

……

print('You are an adult citizen of Kazakhstan.')

……

        print('You are not an adult and / or you are not a citizen of Kazakhstan.')
```

[3]

5. Match each part of the flowchart with correct values.
   The task checks whether a number is ODD number or not.



TRUE

FALSE

n=11

n % 2 != 0

6. Write a program to check the login password that the user enters. If the user enters the password "qwerty1", then output the text "Welcome!", in all other cases, output "The password is incorrect". [4]